LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.164	5	13	17	rBV	12698742	21772425	100.00%	12.324%
2	6.505	748	751	759	rBV2	1863570	1713482	7.87%	0.970%
3	6.569	759	762	766	rVV	1419427	1196867	5.50%	0.677%
4	6.658	773	777	781	rBV	1952647	1562519	7.18%	0.884%
5	6.893	813	817	820	rBV	2689689	2042139	9.38%	1.156%
6	7.258	875	879	882	rBV	2290177	1738722	7.99%	0.984%
7	7.446	907	911	914	rBV	1805103	1348030	6.19%	0.763%
8	7.775	963	967	970	rBV	1267284	1059511	4.87%	0.600%
9	8.010	1004	1007	1011	rBV	2163778	1849995	8.50%	1.047%
10	8.175	1032	1035	1038	rBV	3601841	2756022	12.66%	1.560%
11	8.228	1041	1044	1055	rVB	1789588	1442567	6.63%	0.817%
12	9.628	1279	1282	1284	rVV	3231898	2517522	11.56%	1.425%
13	9.652	1284	1286	1289	rVB	927015	649131	2.98%	0.367%
14	9.787	1305	1309	1318	rVB	4280263	3362311	15.44%	1.903%
15	9.946	1332	1336	1339	rBV	4017376	3337690	15.33%	1.889%
16	9.975	1339	1341	1344	rVB	721448	527784	2.42%	0.299%
17	10.022	1346	1349	1360	rVV	909397	857071	3.94%	0.485%
18	10.146	1367	1370	1375	rVV	389449	325318	1.49%	0.184%
19	10.463	1421	1424	1427	rBV	4405895	3877289	17.81%	2.195%
20	10.493	1427	1429	1432	rVV	359476	324197	1.49%	0.184%
21	10.522	1432	1434	1437	rVV	907338	685347	3.15%	0.388%
22	11.246	1554	1557	1562	rVB	331390	288509	1.33%	0.163%
23	11.340	1570	1573	1579	rVB	290231	246505	1.13%	0.140%
24	11.446	1587	1591	1593	rBV	4262251	3645665	16.74%	2.064%
25	11.469	1593	1595	1598	rVV	5368607	4393764	20.18%	2.487%
26	11.504	1598	1601	1607	rVV2	4814688	4698029	21.58%	2.659%
27	11.675	1624	1630	1633	rBV	816825	760228	3.49%	0.430%
28	11.957	1672	1678	1680	rBV	509220	465345	2.14%	0.263%
29	11.987	1680	1683	1687	rVV2	1002900	1184284	5.44%	0.670%
30	12.028	1687	1690	1693	rVV2	207346	238099	1.09%	0.135%
31	12.069	1693	1697	1699	rVV	886296	856888	3.94%	0.485%
32	12.093	1699	1701	1704	rVV	290567	235758	1.08%	0.133%
33	12.257	1726	1729	1730	rVV	395839	332917	1.53%	0.188%
34	12.275	1730	1732	1736	rVB	791096	637669	2.93%	0.361%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

35	12.516	1769	1773	1776	rBV2	331397	379519	1.74%	0.215%
36	12.598	1784	1787	1792	rVV	481038	482444	2.22%	0.273%
37	12.681	1797	1801	1805	rVV	9305065	9179795	42.16%	5.196%
38	12.740	1805	1811	1815	rVB2	156333	219788	1.01%	0.124%
39	12.798	1818	1821	1823	rBV2	292236	342909	1.57%	0.194%
40	12.834	1825	1827	1833	rVV	346540	321691	1.48%	0.182%
41	12.898	1833	1838	1839	rVV	5884745	6140585	28.20%	3.476%
42	12.916	1839	1841	1844	rVV	8289235	6749083	31.00%	3.820%
43	12.963	1846	1849	1855	rVB2	293601	361990	1.66%	0.205%
44	13.034	1856	1861	1863	rBV	409956	380830	1.75%	0.216%
45	13.069	1863	1867	1872	rVB	393607	438247	2.01%	0.248%
46	13.140	1873	1879	1881	rBV2	453269	769085	3.53%	0.435%
47	13.163	1881	1883	1886	rVB	291424	240036	1.10%	0.136%
48	13.222	1891	1893	1895	rVV2	356491	401130	1.84%	0.227%
49	13.245	1895	1897	1900	rVB	721109	619368	2.84%	0.351%
50	13.316	1906	1909	1912	rBV2	356183	457400	2.10%	0.259%
51	13.351	1912	1915	1918	rVV	929864	922749	4.24%	0.522%
52	13.381	1918	1920	1923	rVB	410763	354220	1.63%	0.201%
53	13.445	1928	1931	1934	rVB	398197	324663	1.49%	0.184%
54	13.481	1934	1937	1941	rBV2	344627	368527	1.69%	0.209%
55	13.657	1960	1967	1969	rBV6	249274	543175	2.49%	0.307%
56	13.687	1969	1972	1974	rVV2	214464	266568	1.22%	0.151%
57	13.763	1981	1985	1990	rVB	1219605	1211396	5.56%	0.686%
58	13.881	2000	2005	2008	rBV2	1374802	1789498	8.22%	1.013%
59	13.910	2008	2010	2012	rVV	653033	595859	2.74%	0.337%
60	13.934	2012	2014	2018	rVV2	605417	942637	4.33%	0.534%
61	13.975	2018	2021	2024	rVV2	1145422	1141272	5.24%	0.646%
62	14.004	2024	2026	2031	rVV3	364079	472222	2.17%	0.267%
63	14.051	2031	2034	2037	rVB	338256	272657	1.25%	0.154%
64	14.134	2040	2048	2051	rBV3	6501324	10221334	46.95%	5.786%
65	14.163	2051	2053	2062	rVV	4885805	5257514	24.15%	2.976%
66	14.245	2065	2067	2070	rVB	532800	412570	1.89%	0.234%
67	14.298	2074	2076	2079	rVV2	227646	260179	1.19%	0.147%
68	14.328	2079	2081	2083	rVV2	409653	374002	1.72%	0.212%
69	14.363	2083	2087	2091	rVB2	633068	898521	4.13%	0.509%
70	14.398	2091	2093	2100	rVB4	303215	445906	2.05%	0.252%
71	14.469	2100	2105	2107	rBV2	314948	412343	1.89%	0.233%

LSC Area Percent Report

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Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

72	14.498	2107	2110	2112	rBV	258279	261506	1.20%	0.148%
73	14.534	2112	2116	2119	rVB2	997086	1117956	5.13%	0.633%
74	14.569	2119	2122	2125	rBV2	778923	710828	3.26%	0.402%
75	14.663	2134	2138	2145	rVB3	835361	1354996	6.22%	0.767%
76	14.739	2145	2151	2157	rVB5	269117	548093	2.52%	0.310%
77	14.851	2166	2170	2173	rBV2	389436	548404	2.52%	0.310%
78	14.887	2173	2176	2182	rVB5	197969	327536	1.50%	0.185%
79	14.998	2190	2195	2198	rBV2	615944	984341	4.52%	0.557%
80	15.122	2213	2216	2220	rBV2	219672	273249	1.26%	0.155%
81	15.228	2227	2234	2244	rBV	4426053	9314071	42.78%	5.272%
82	15.339	2249	2253	2255	rBV	520486	657564	3.02%	0.372%
83	15.369	2255	2258	2264	rVB	744992	1124557	5.17%	0.637%
84	15.545	2283	2288	2291	rVV	2457262	3798010	17.44%	2.150%
85	15.581	2291	2294	2297	rVV	2800053	4113393	18.89%	2.328%
86	15.616	2297	2300	2305	rVB	3163716	3840091	17.64%	2.174%
87	15.681	2305	2311	2314	rBV	2481336	3477914	15.97%	1.969%
88	15.710	2314	2316	2324	rVV2	956536	1297232	5.96%	0.734%
89	15.792	2324	2330	2335	rVB3	723365	1395655	6.41%	0.790%
90	16.022	2366	2369	2372	rVB	196397	238271	1.09%	0.135%
91	16.063	2373	2376	2382	rVB3	230164	383898	1.76%	0.217%
92	16.145	2385	2390	2394	rBV2	178241	334845	1.54%	0.190%
93	16.269	2405	2411	2425	rVB2	657840	1603696	7.37%	0.908%
94	16.828	2500	2506	2513	rBV4	362438	966930	4.44%	0.547%
95	17.063	2538	2546	2553	rVB4	375808	1011966	4.65%	0.573%
96	17.245	2569	2577	2585	rVB2	1758189	3940016	18.10%	2.230%
97	17.428	2604	2608	2613	rBV	202647	379382	1.74%	0.215%
98	17.486	2613	2618	2624	rVB2	317574	674411	3.10%	0.382%
99	17.710	2648	2656	2674	rVB	1477776	3551117	16.31%	2.010%
100	17.951	2693	2697	2703	rVB	274981	530506	2.44%	0.300%

Sum of corrected areas: 176661745

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
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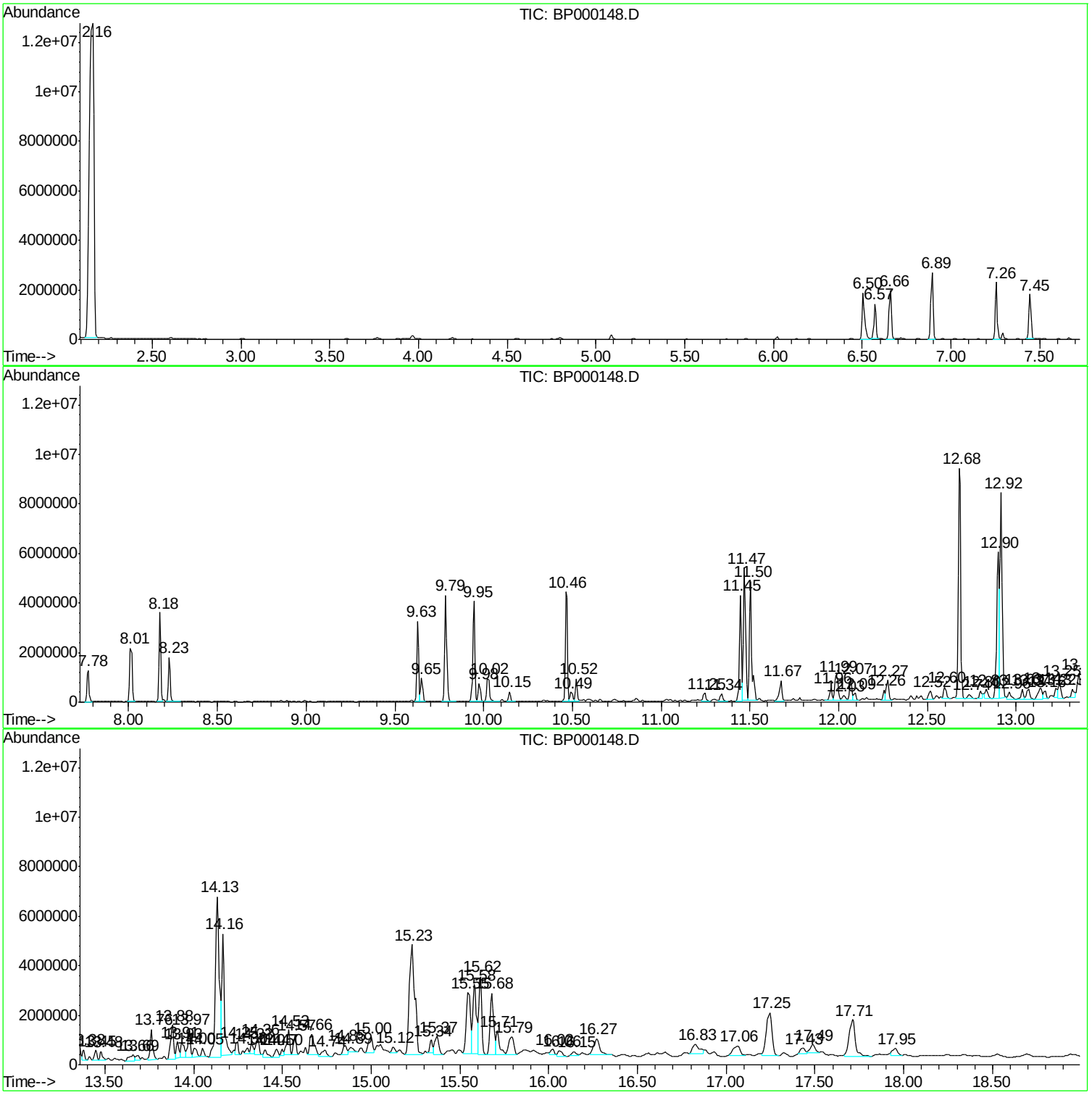
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
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Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

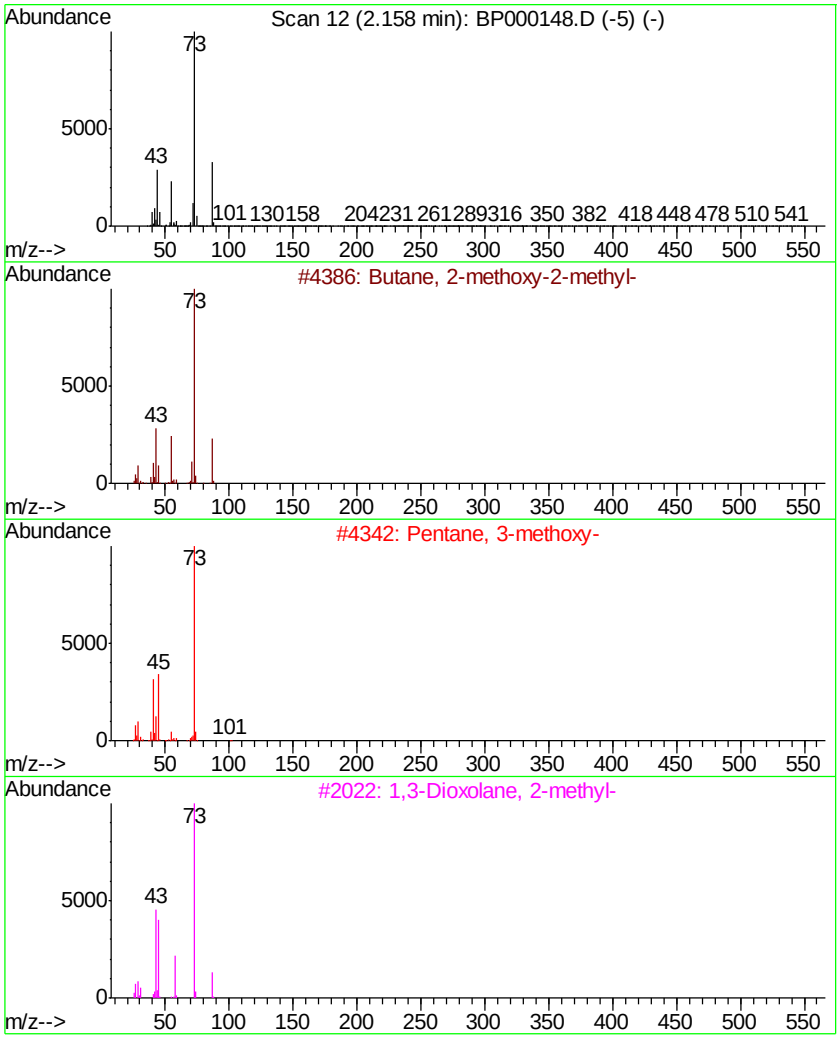
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

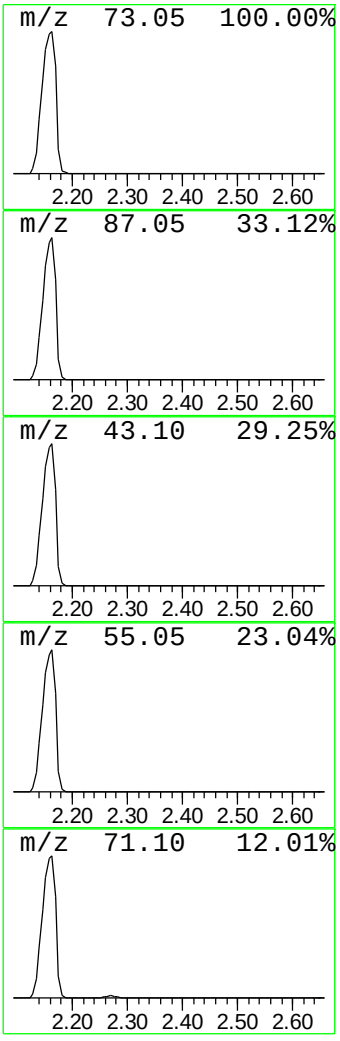
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	213.23 ng/ul	21772400	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

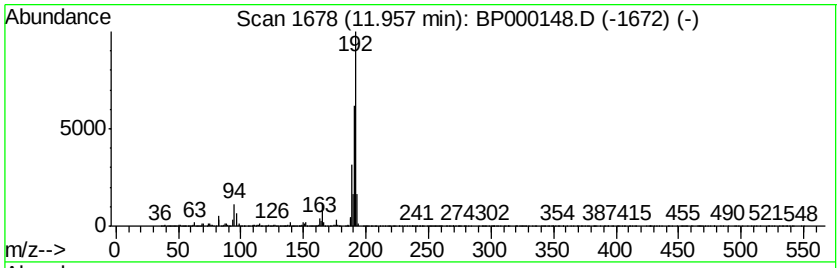
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

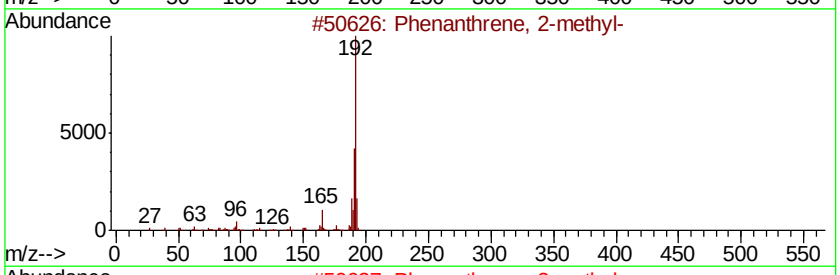
****

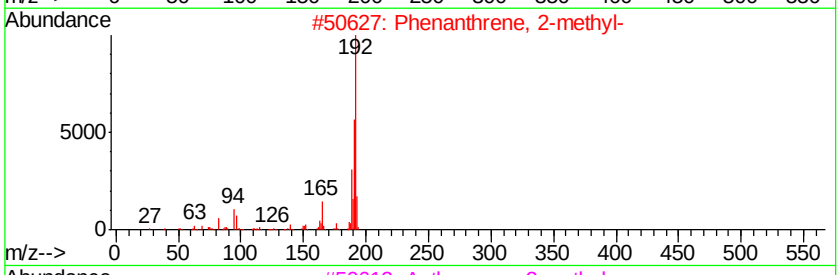
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 17

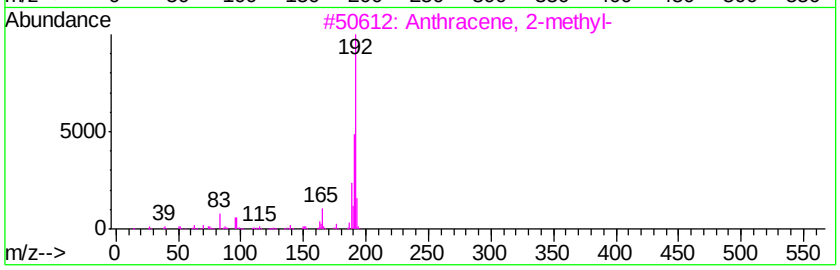
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.55 ng/ul	465345	Phenanthrene-d10	11.45

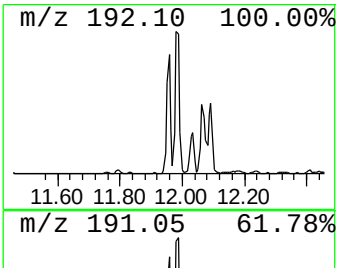
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94

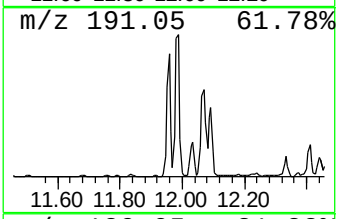


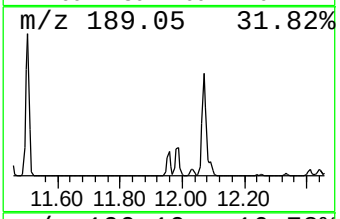


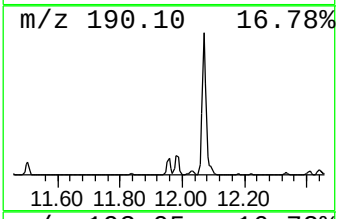


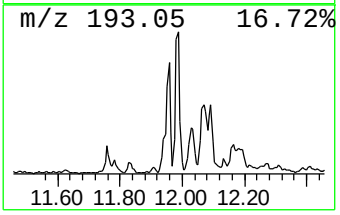












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

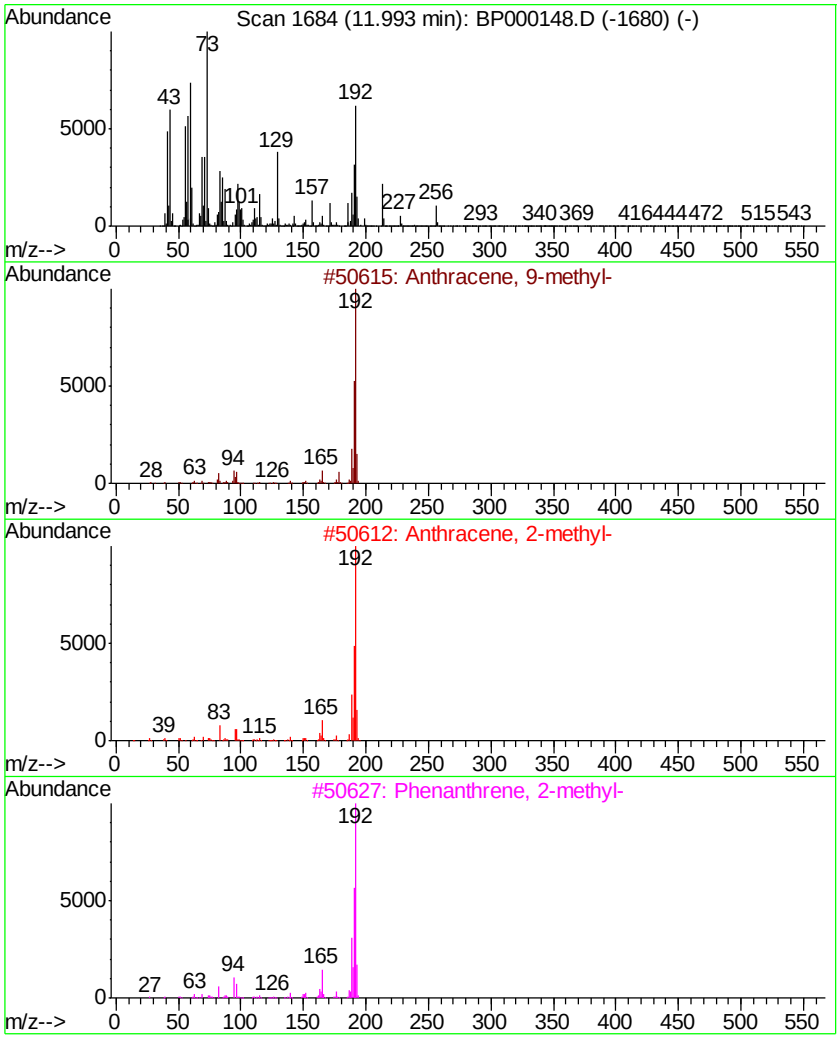
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

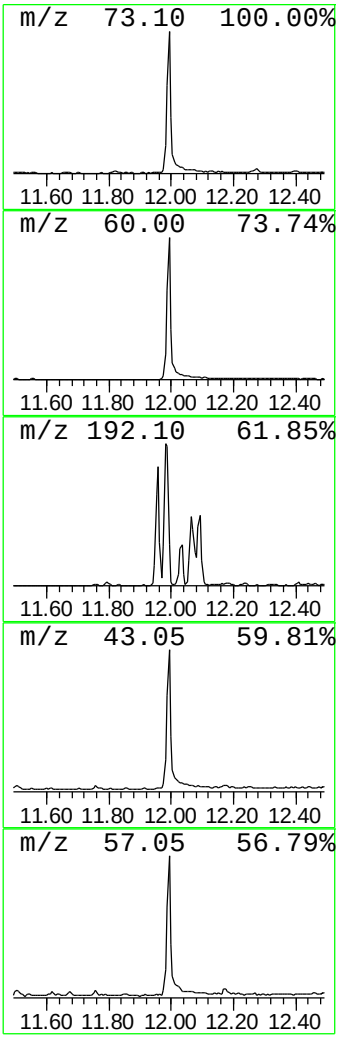
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	6.50 ng/ul	1184280	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

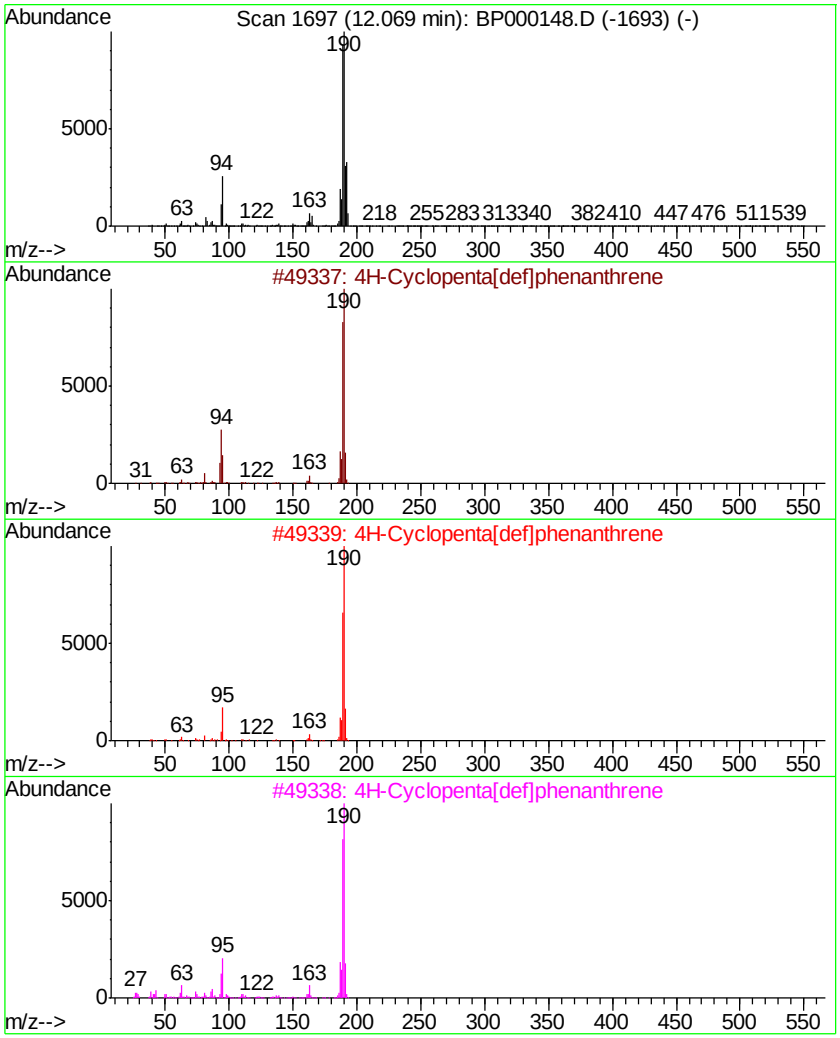
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

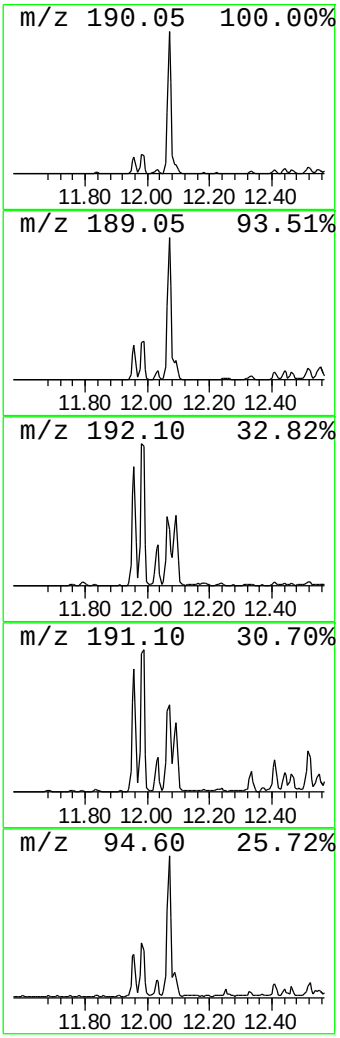
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.70 ng/ul	856888	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





Library Search Compound Report

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Acq On : 09 Sep 2019 21:40
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Misc :
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Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

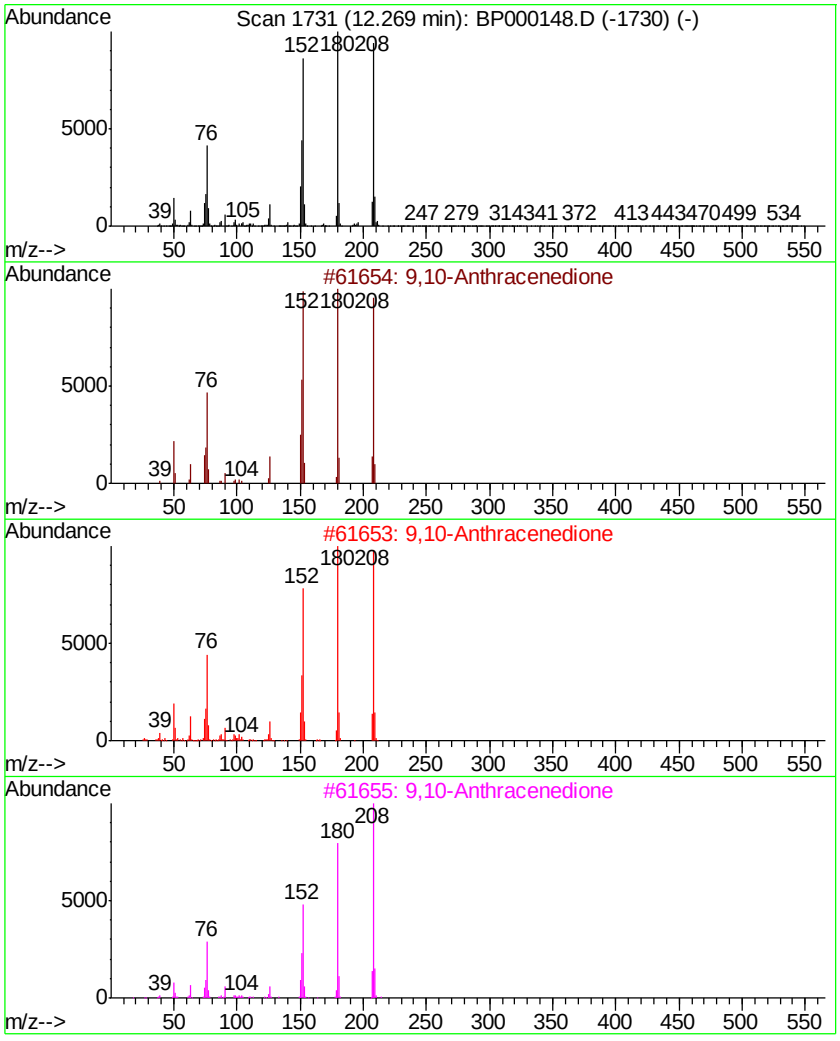
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

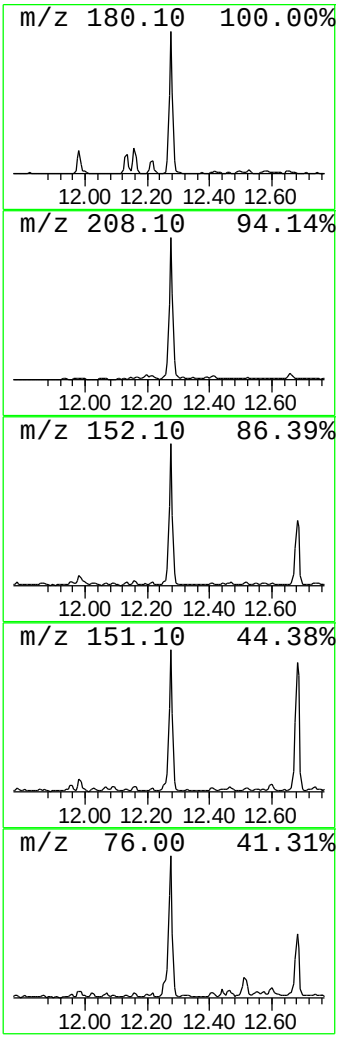
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.50 ng/ul	637669	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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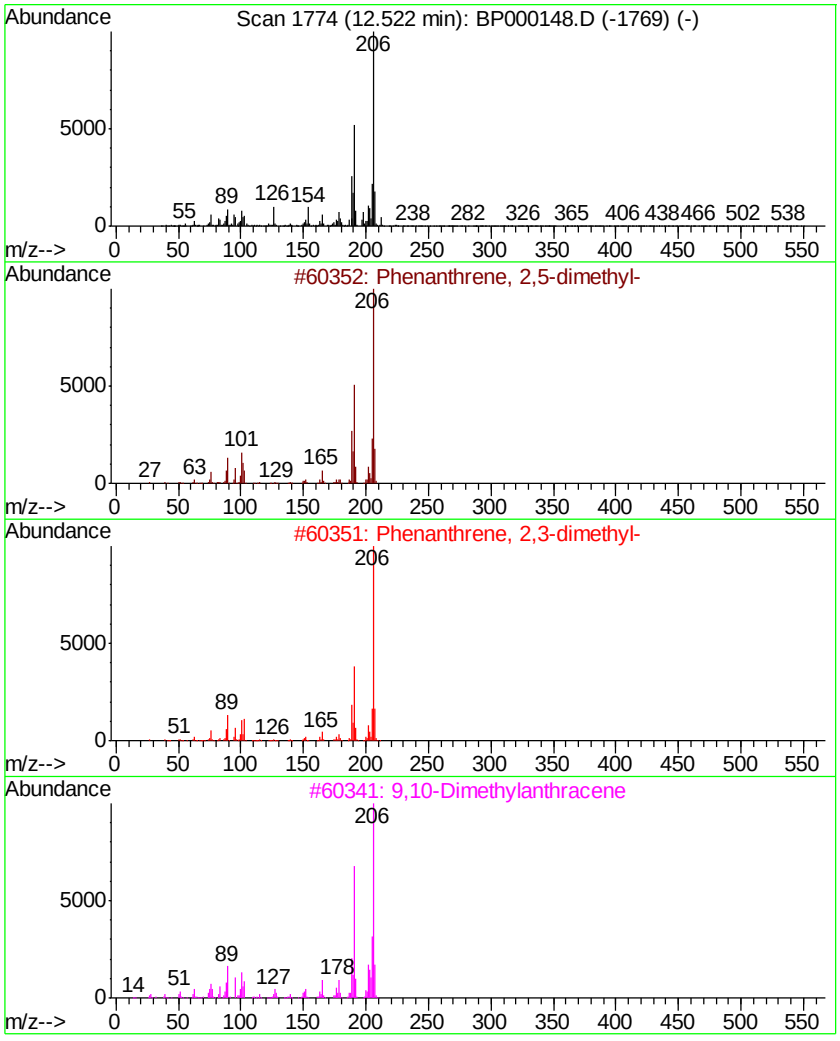
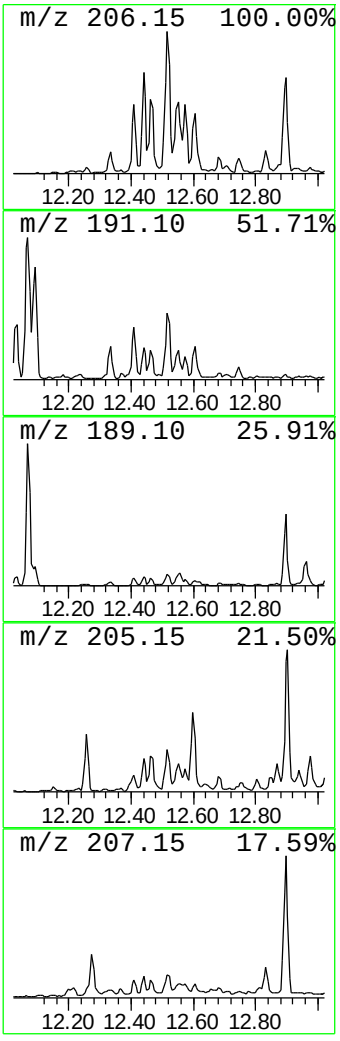
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.08 ng/ul	379519	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

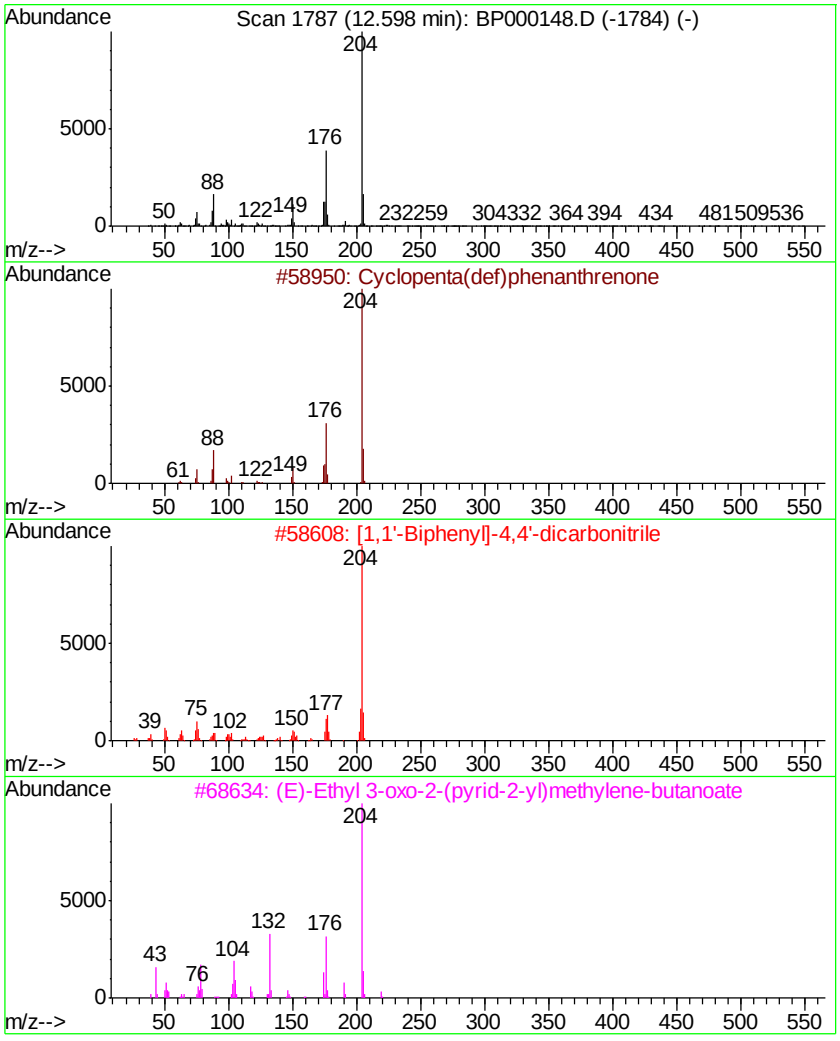
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

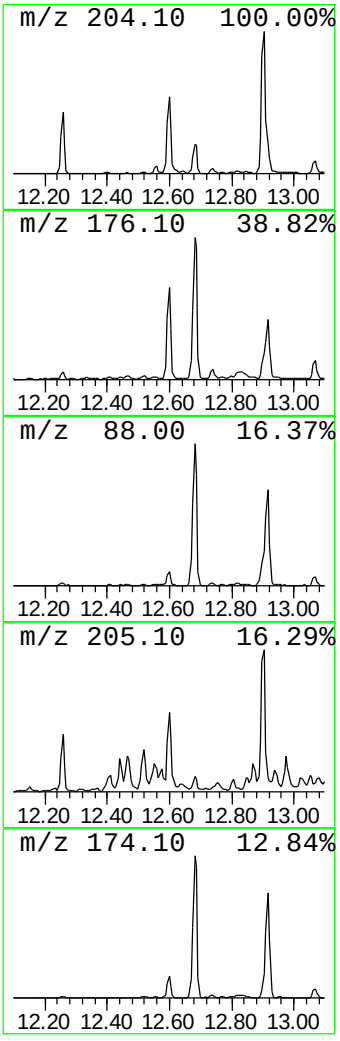
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.65 ng/ul	482444	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Misc :
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ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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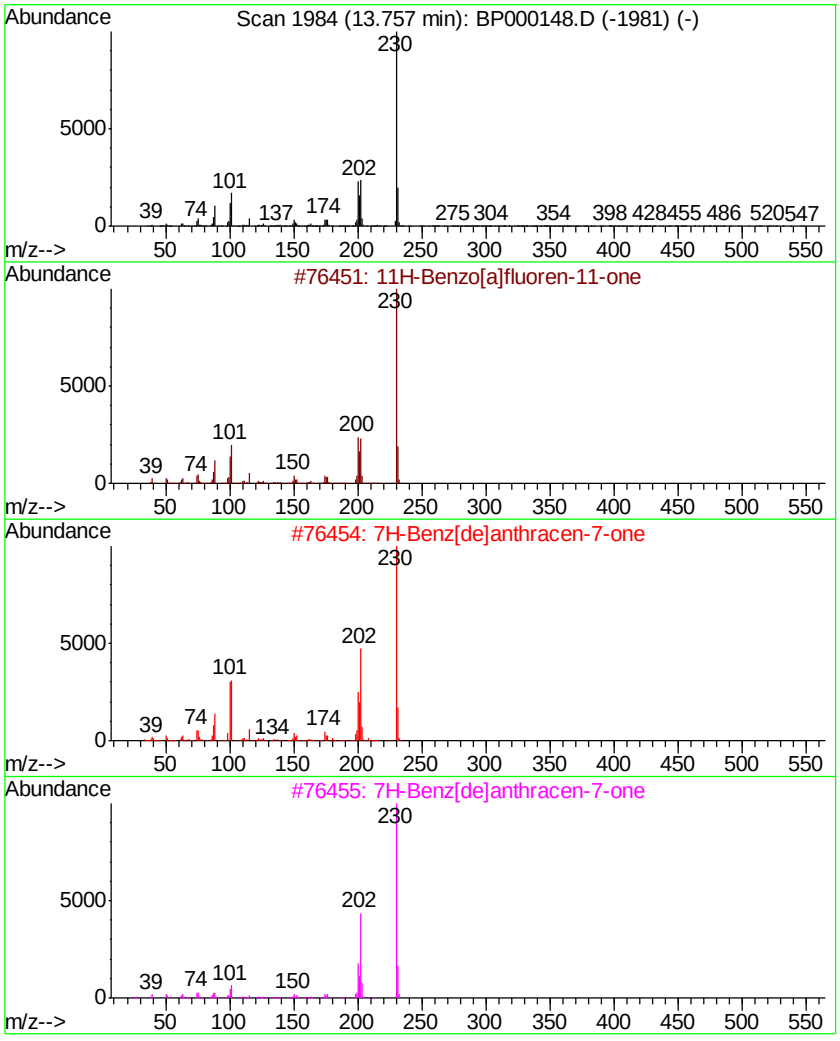
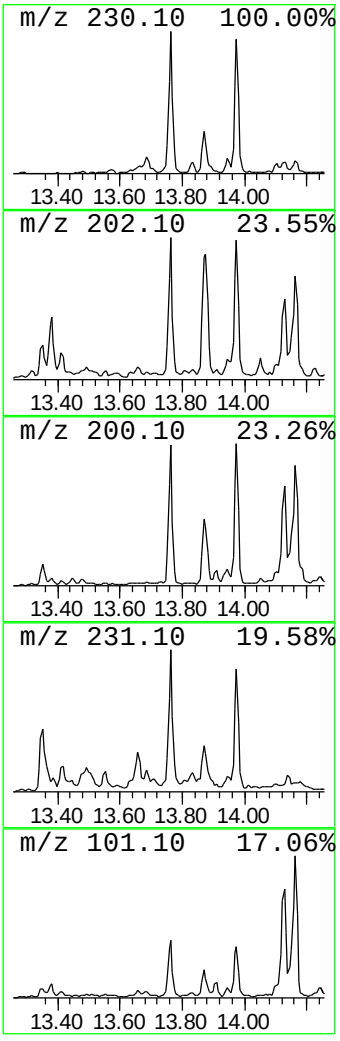
Peak Number 8 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.37 ng/ul	1211400	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78





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Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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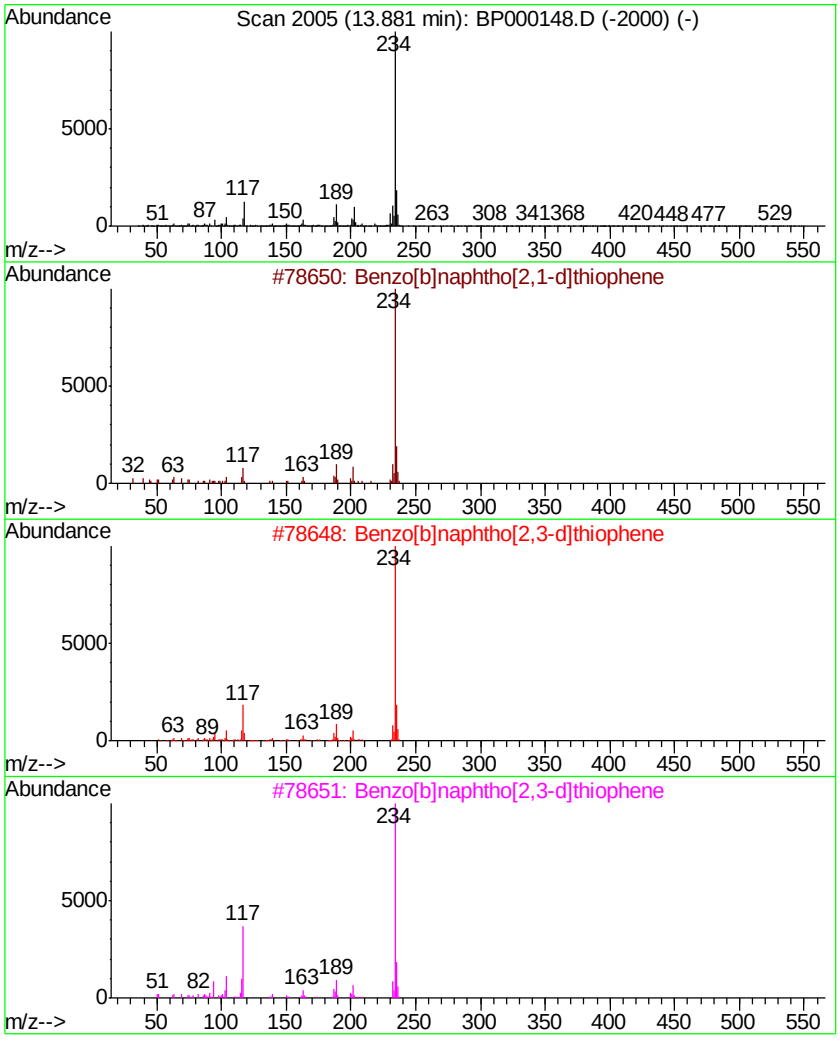
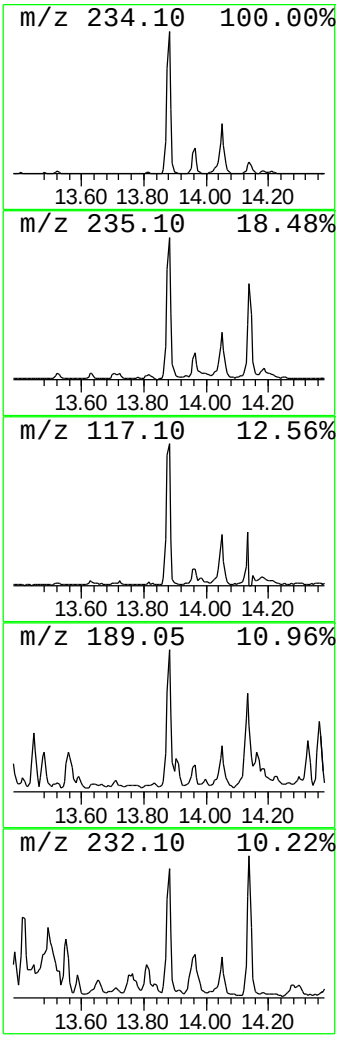
Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.50 ng/ul	1789500	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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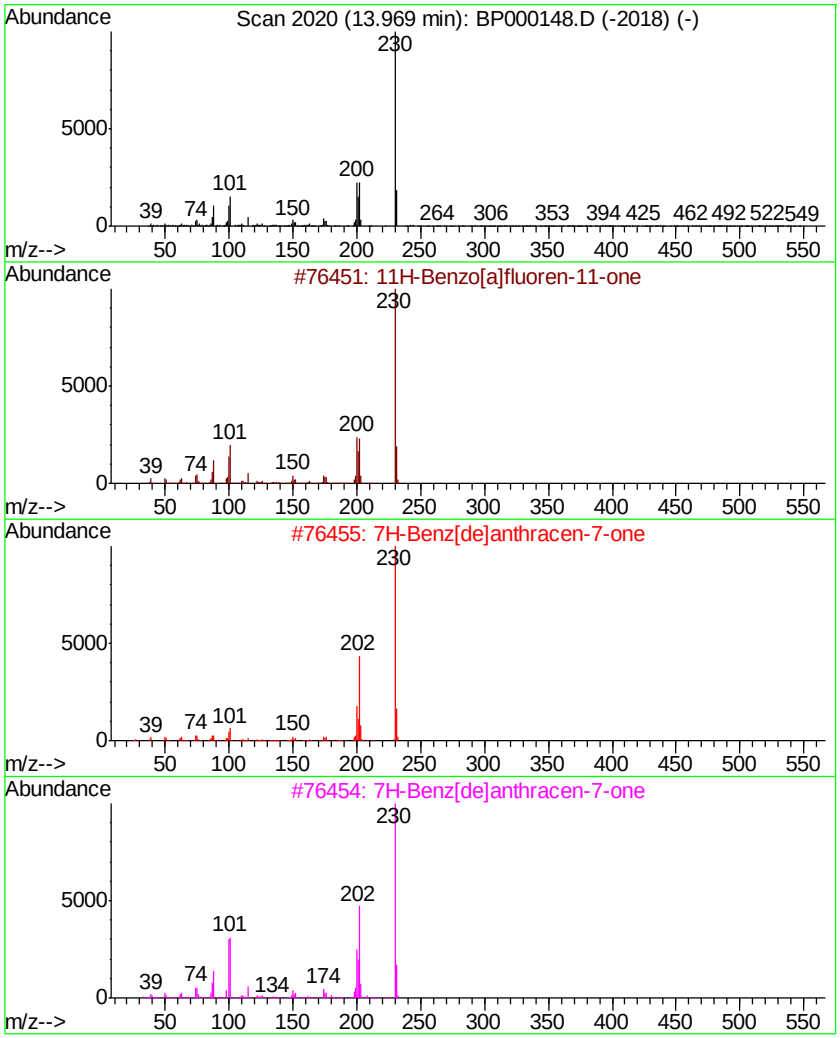
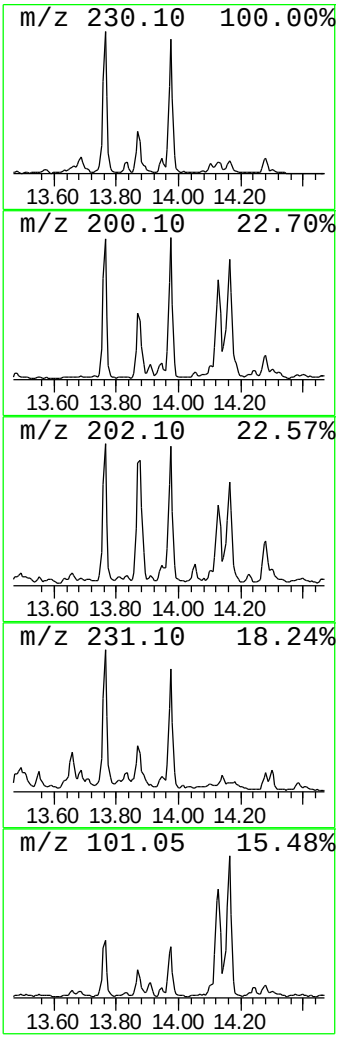
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.23 ng/ul	1141270	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59





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Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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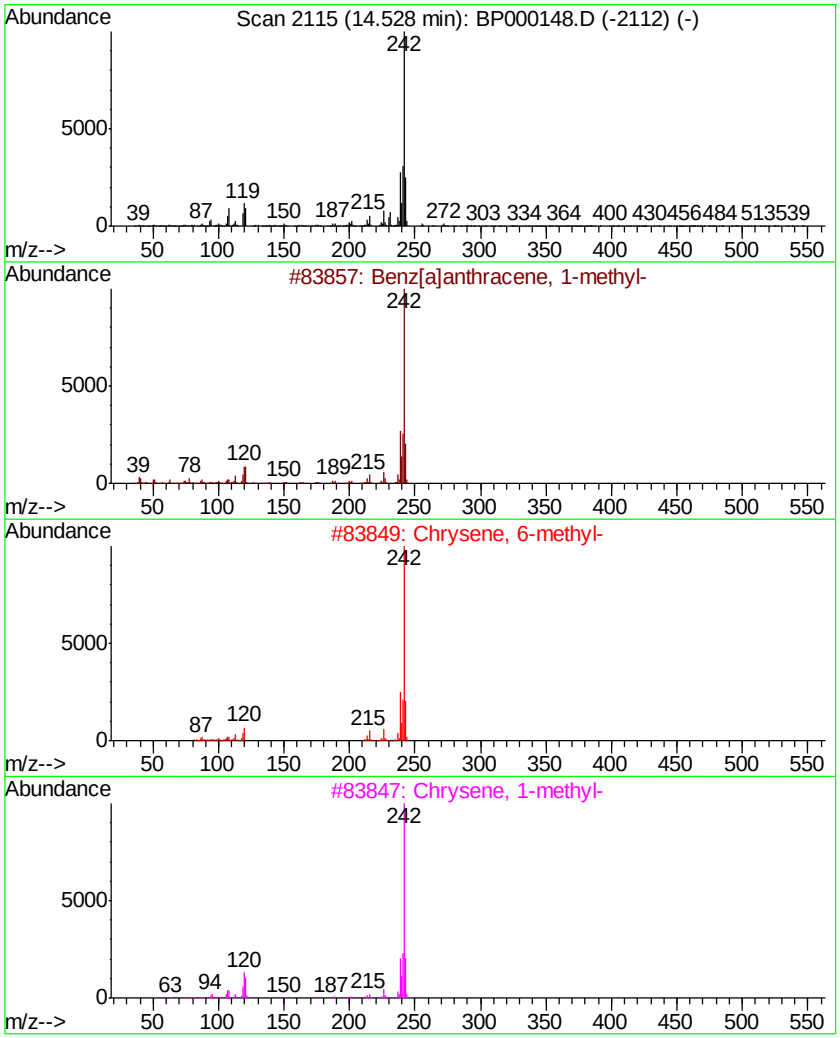
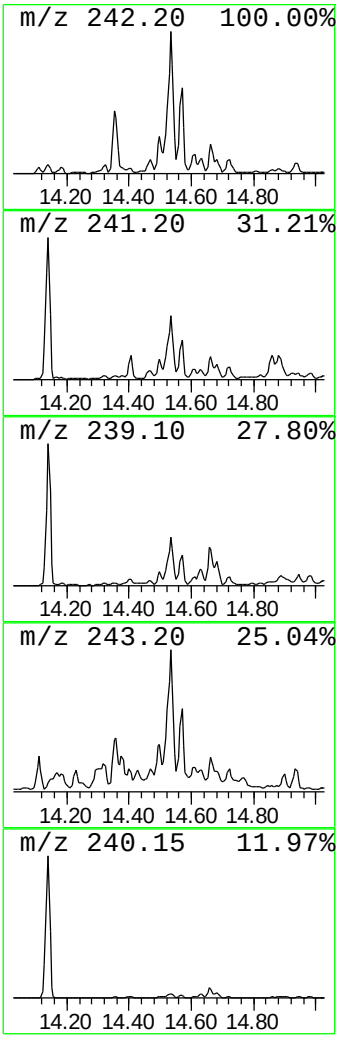
Peak Number 11 Benz[a]anthracene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.19 ng/ul	1117960	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	97
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95





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Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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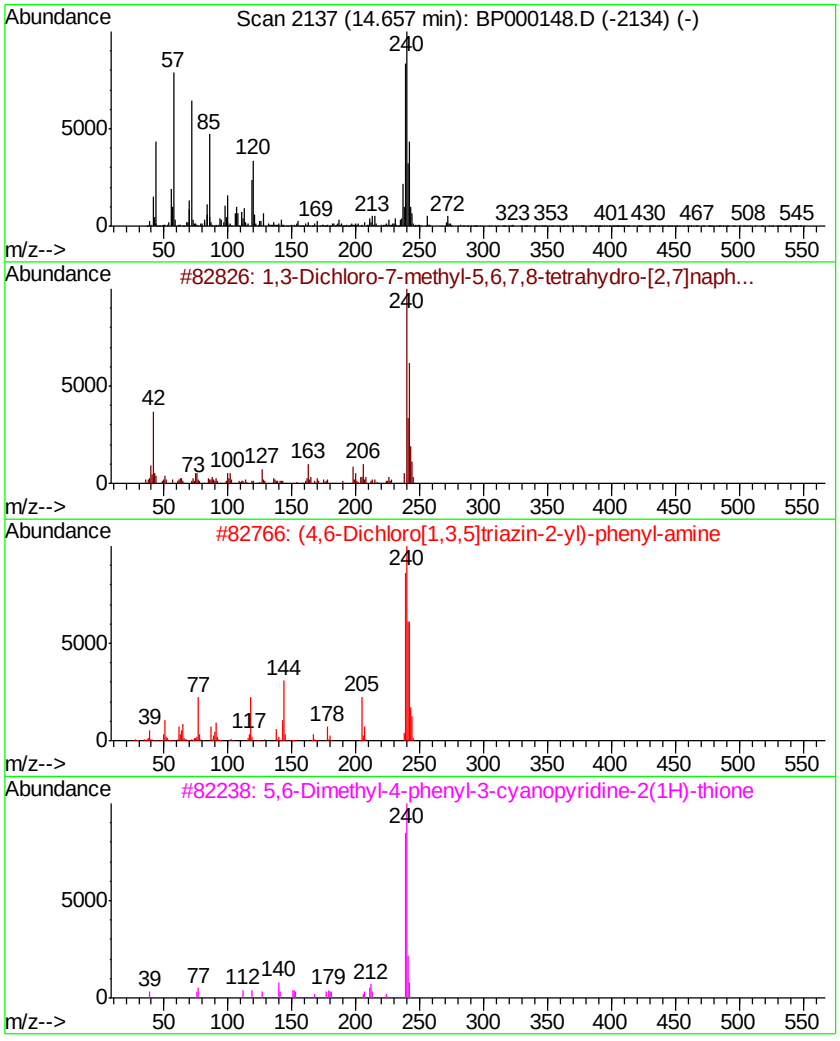
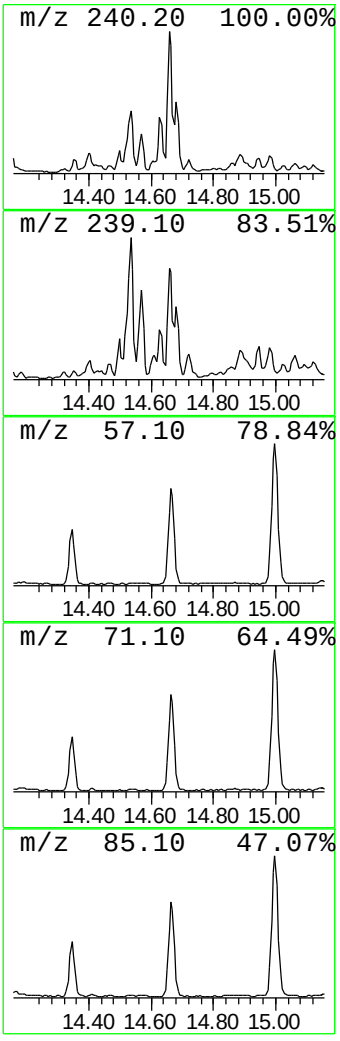
Peak Number 12 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.65 ng/ul	1355000	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dichloro-7-methyl-5,6,7,8-te...	241	C10H9Cl2N3	1000274-39-1	35
2	(4,6-Dichloro[1,3,5]triazin-2-yl...	240	C9H6Cl2N4	002272-40-4	35
3	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	30
4	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	25
5	Palmitic acid vinyl ester	282	C18H34O2	000693-38-9	25





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ClientSampleId : F2D21

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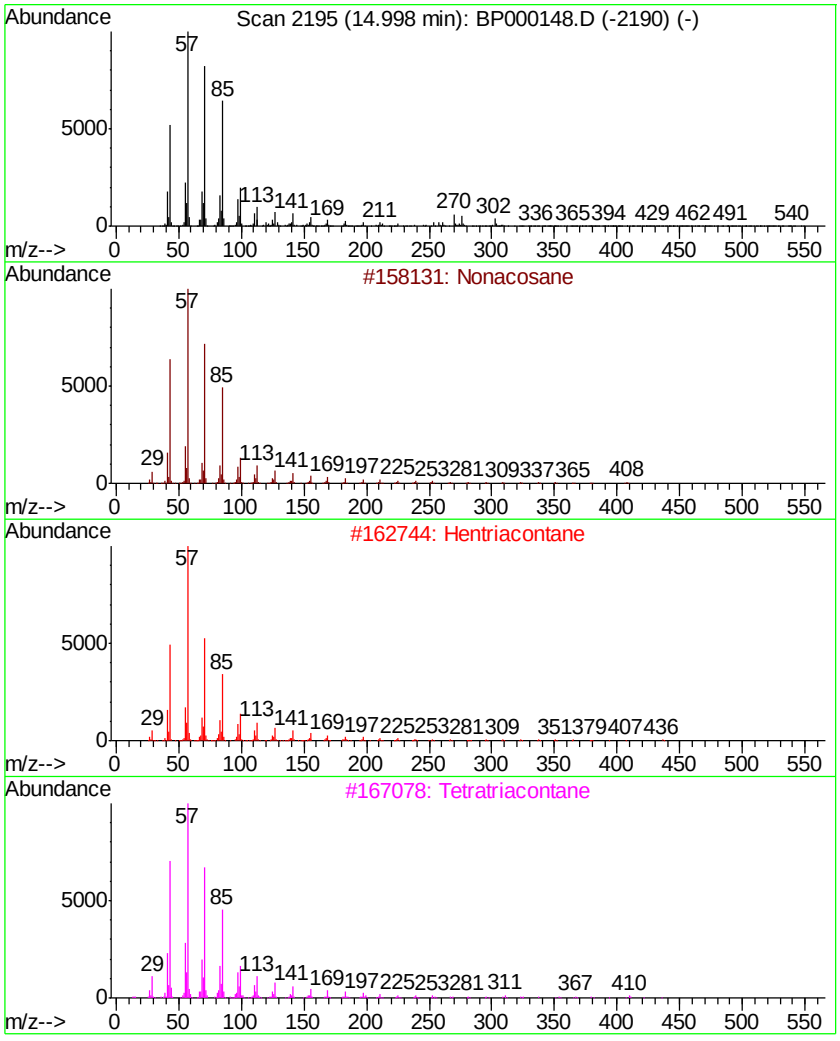
Quant Title : SVOA CALIBRATION

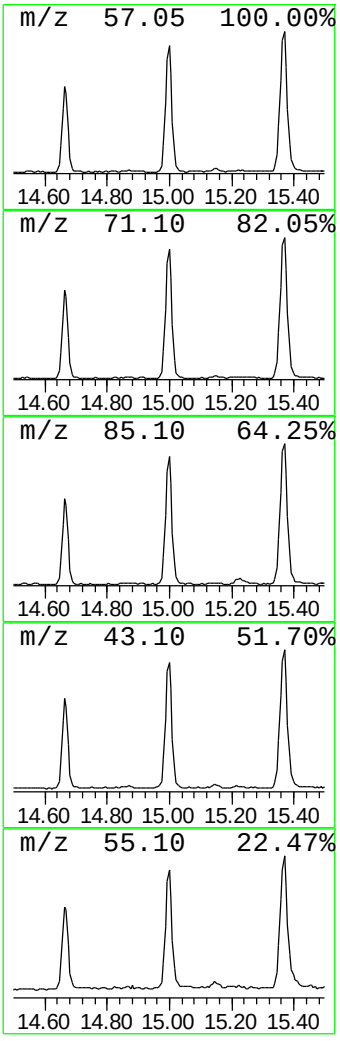
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.66 ng/ul	984341	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	95
2	Hentriacontane	437	C31H64	000630-04-6	92
3	Tetratriacontane	479	C34H70	014167-59-0	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptacosane	380	C27H56	000593-49-7	87





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Misc :
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Instrument : BNA_P
ClientSampleId : F2D21

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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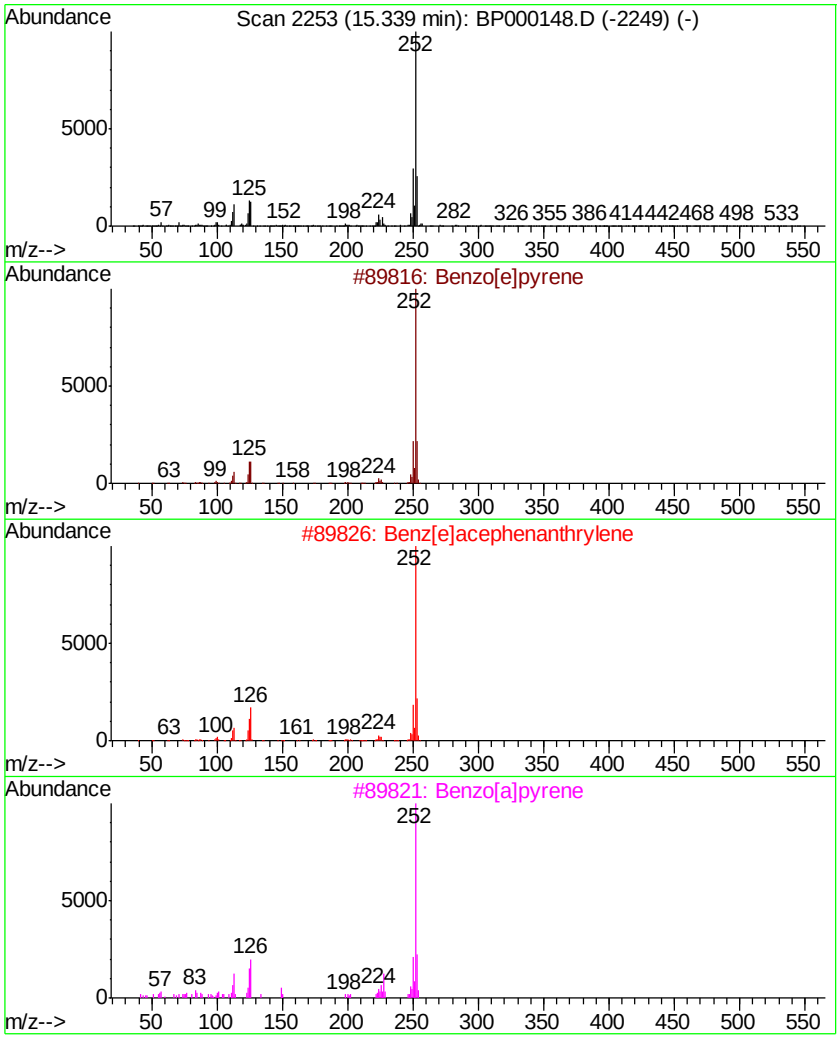
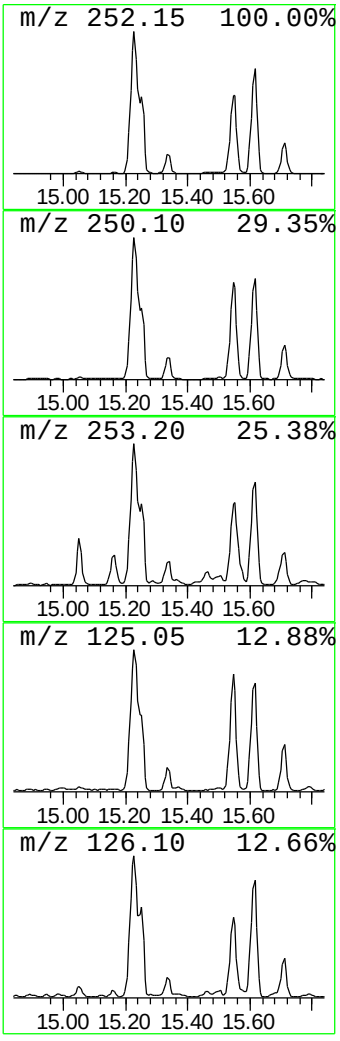
Peak Number 14 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.78 ng/ul	657564	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





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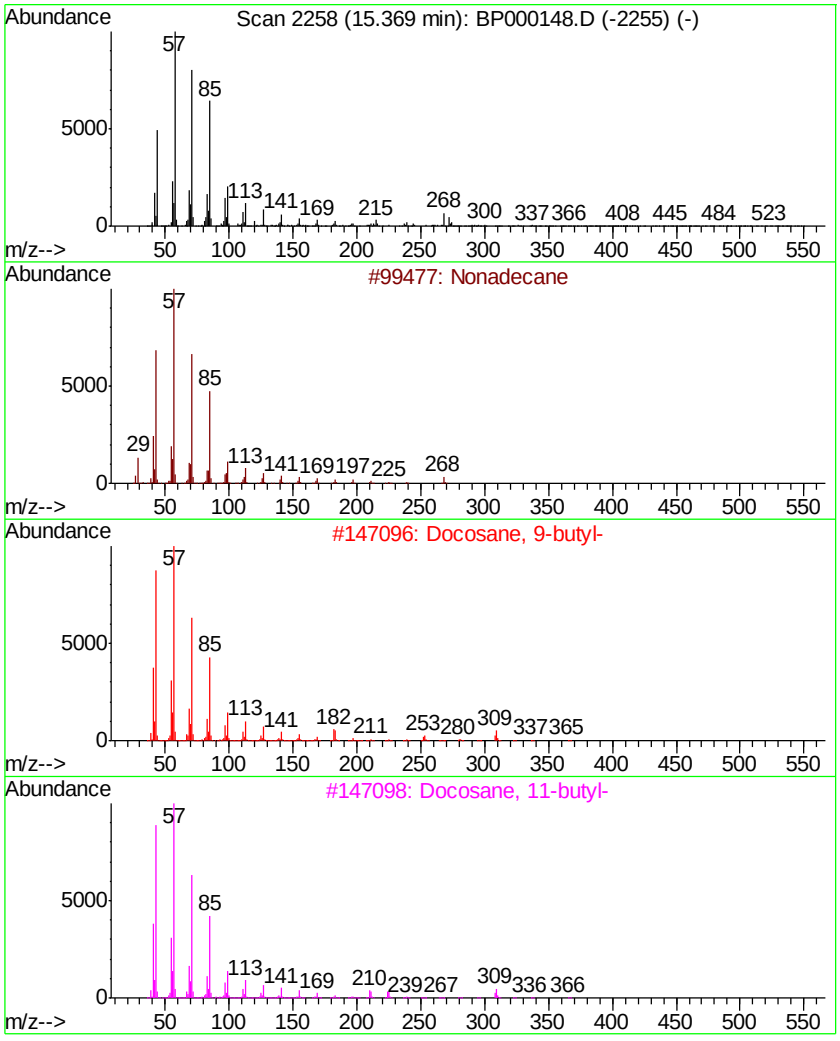
Quant Title : SVOA CALIBRATION

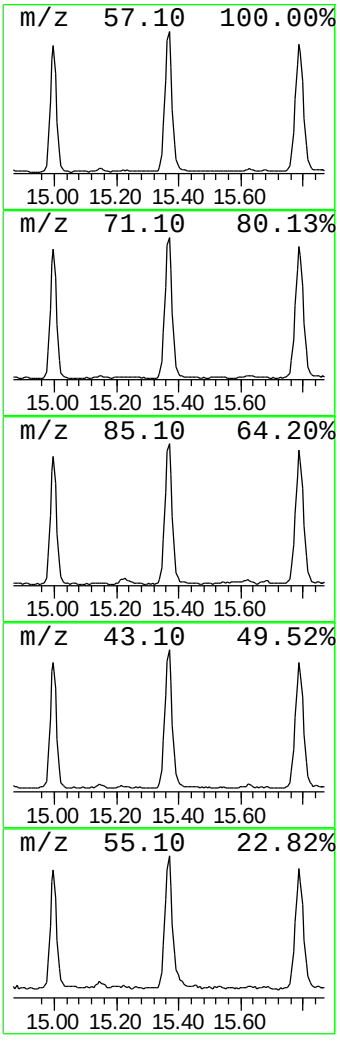
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	6.47 ng/ul	1124560	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	93
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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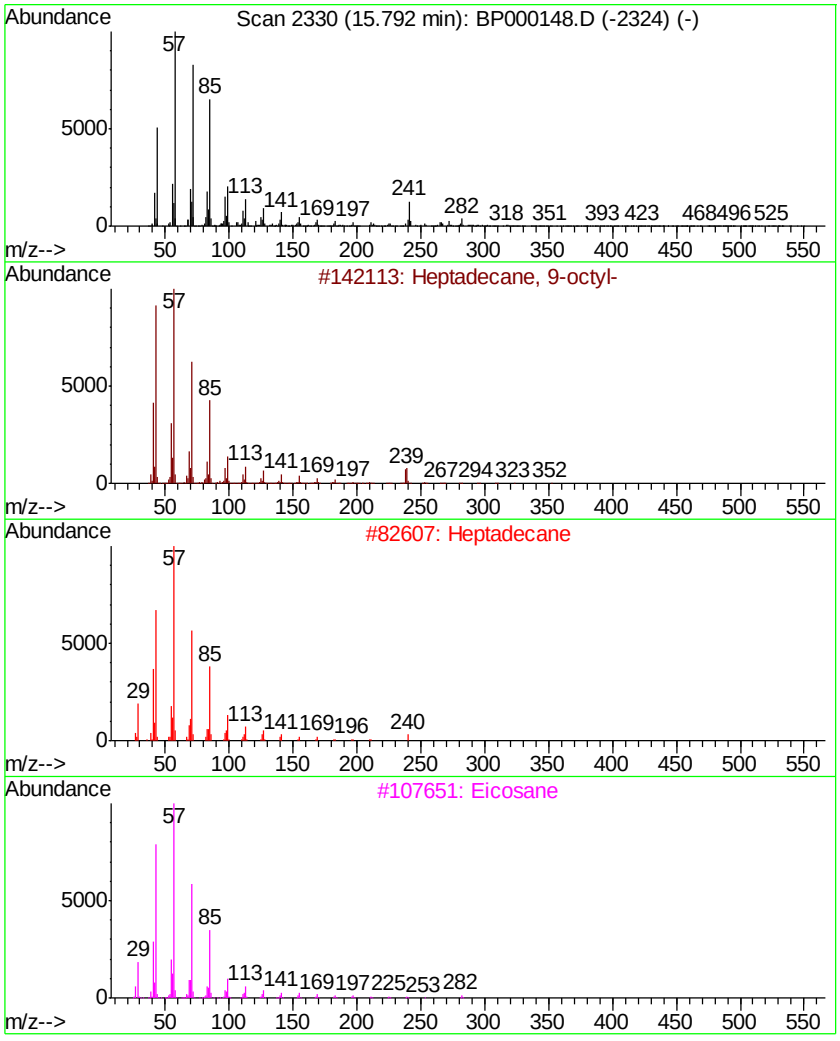
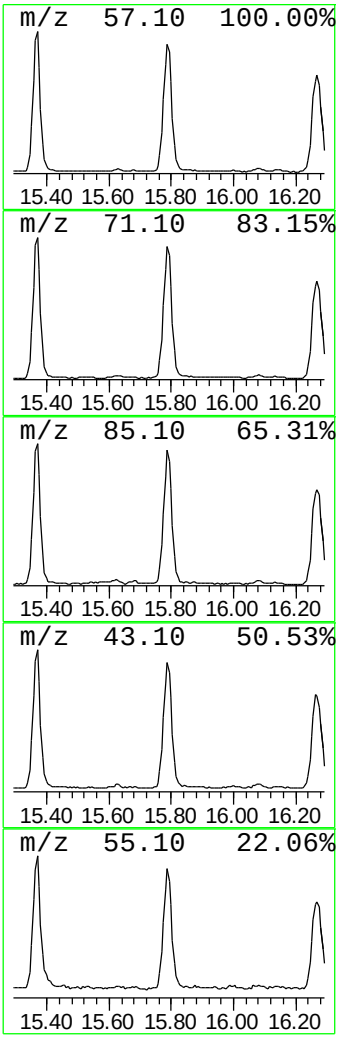
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	8.03 ng/ul	1395660	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Heptadecane	240	C17H36	000629-78-7	93
3	Eicosane	282	C20H42	000112-95-8	93
4	Eicosane	282	C20H42	000112-95-8	93
5	Hexadecane	226	C16H34	000544-76-3	91





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Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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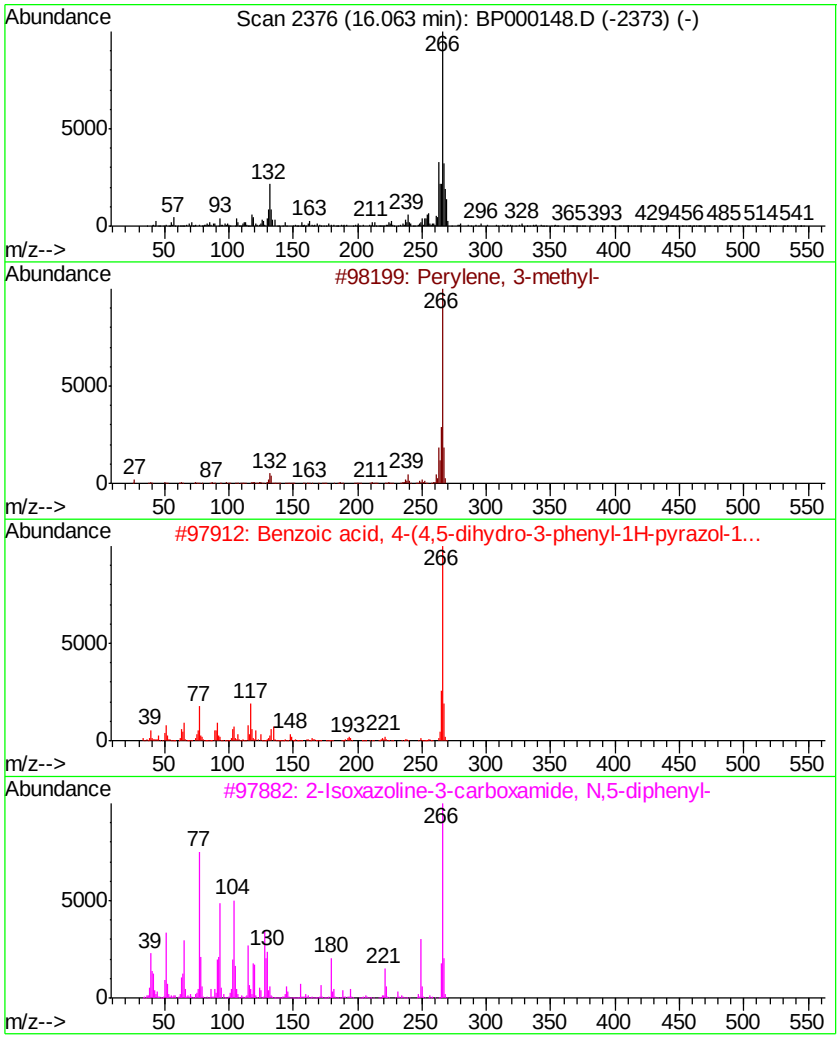
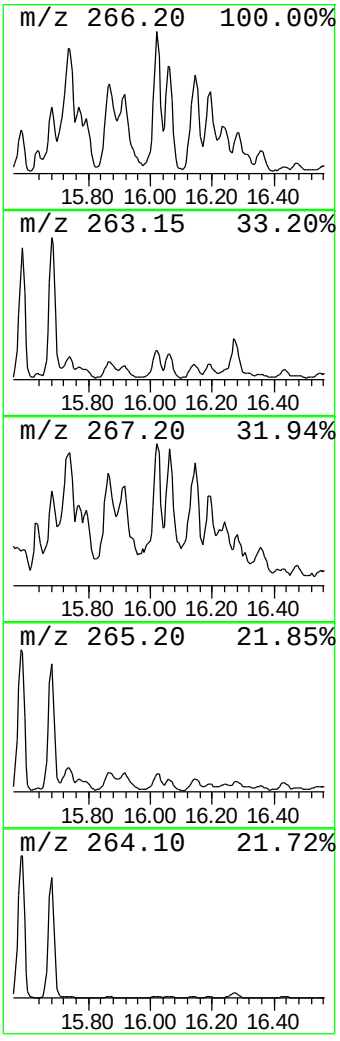
Peak Number 17 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.21 ng/ul	383898	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	45
2	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43
3	2-Isoxazoline-3-carboxamide, N,5...	266	C16H14N2O2	1000294-15-0	43
4	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	43
5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	43





Library Search Compound Report

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Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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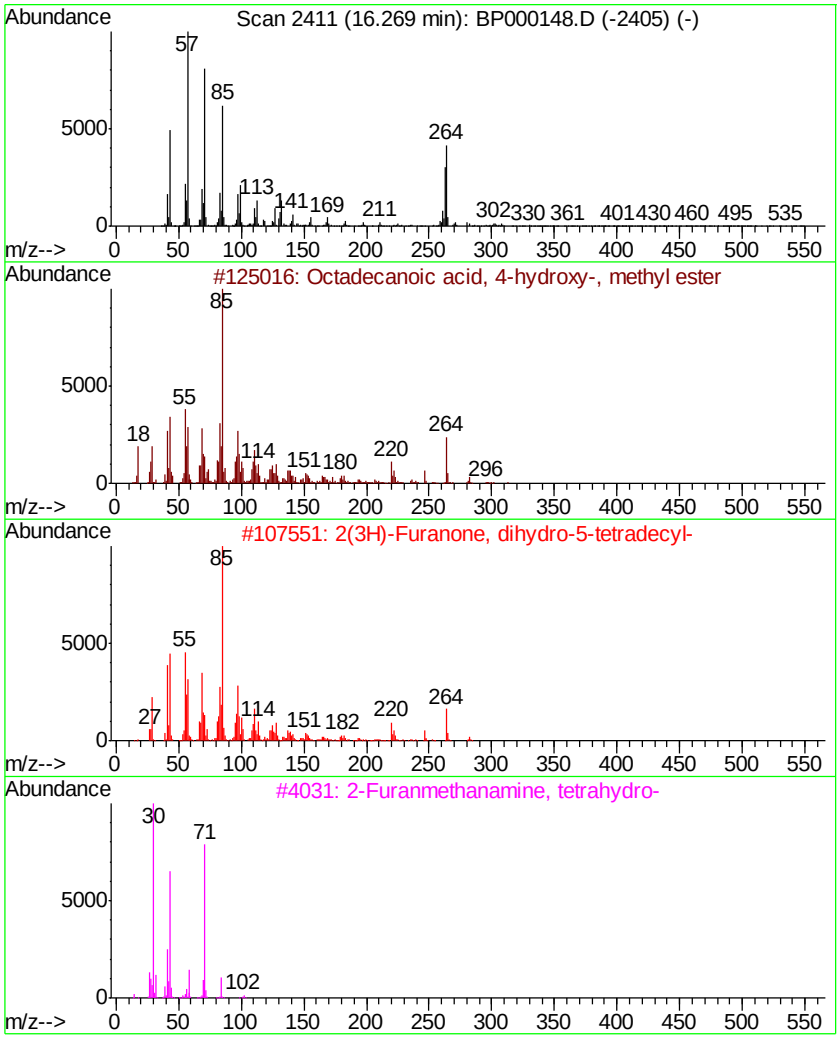
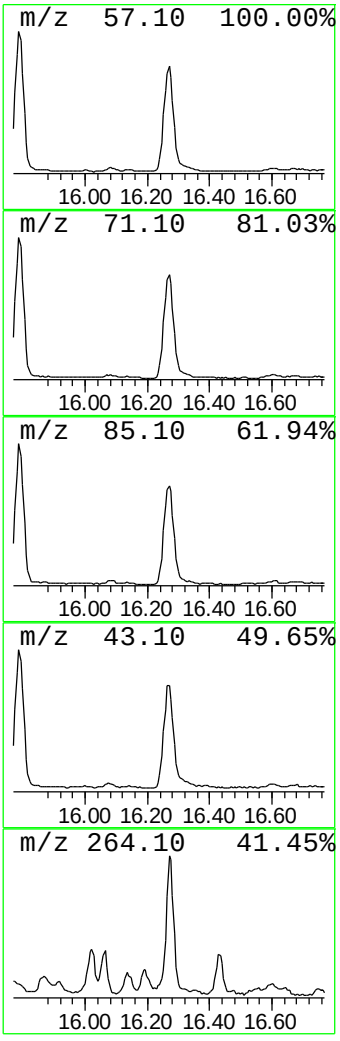
Peak Number 18 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	9.22 ng/ul	1603700	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 4-hydroxy-, m...	314	C19H38O3	002420-38-4	9
2	2(3H)-Furanone, dihydro-5-tetrad...	282	C18H34O2	000502-26-1	9
3	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	7
4	3-Butyryl-5-phenoxymethyl-2-oxaz...	263	C14H17NO4	014789-96-9	5
5	Butanamide, N-(2-hydroxyethyl)-3...	145	C6H11NO3	024309-97-5	4





Library Search Compound Report

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Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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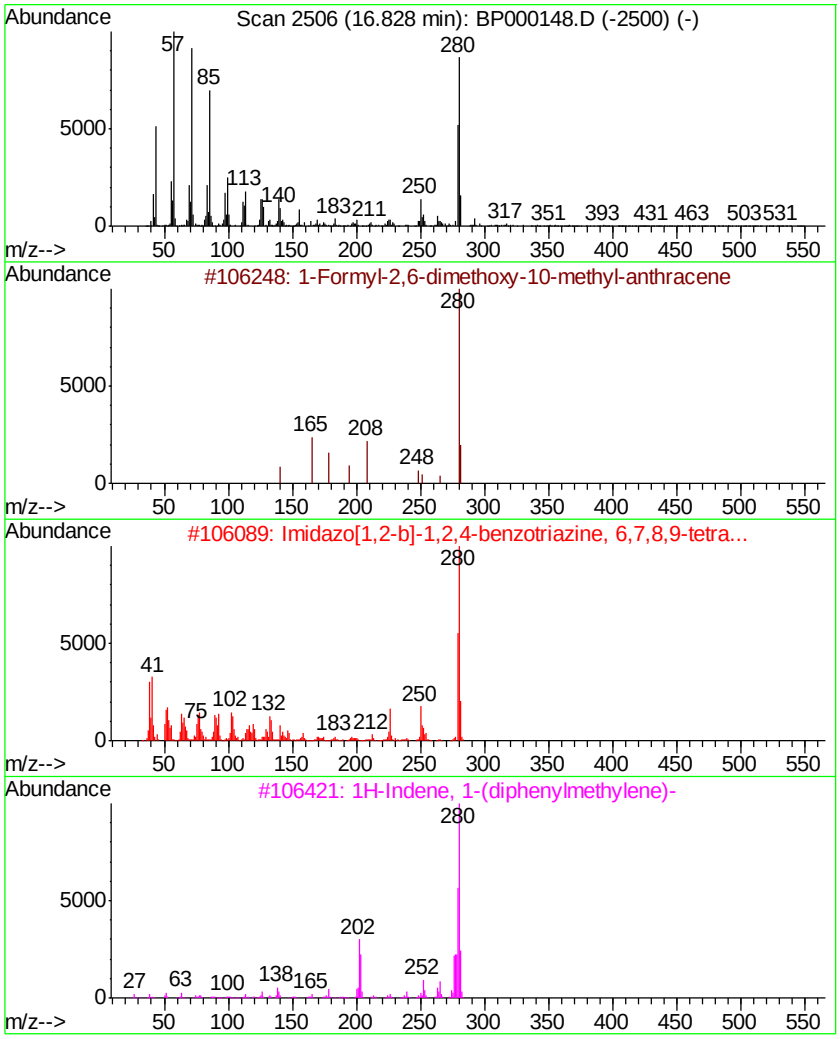
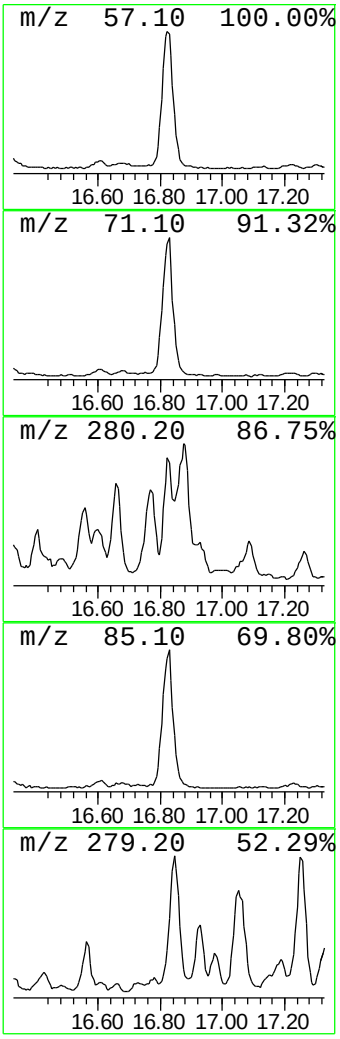
Peak Number 19 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	5.56 ng/ul	966930	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Formyl-2,6-dimethoxy-10-methyl...	280	C18H16O3	110038-62-5	46
2	Imidazo[1,2-b]-1,2,4-benzotriazi...	280	C16H16N4O	1000277-17-5	43
3	1H-Indene, 1-(diphenylmethylene)-	280	C22H16	013245-90-4	41
4	(9E)-Styrylanthracene	280	C22H16	001895-98-3	38
5	4H-Dibenzo[de,g]quinoline, 5,6,6...	281	C18H19NO2	004846-19-9	38





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Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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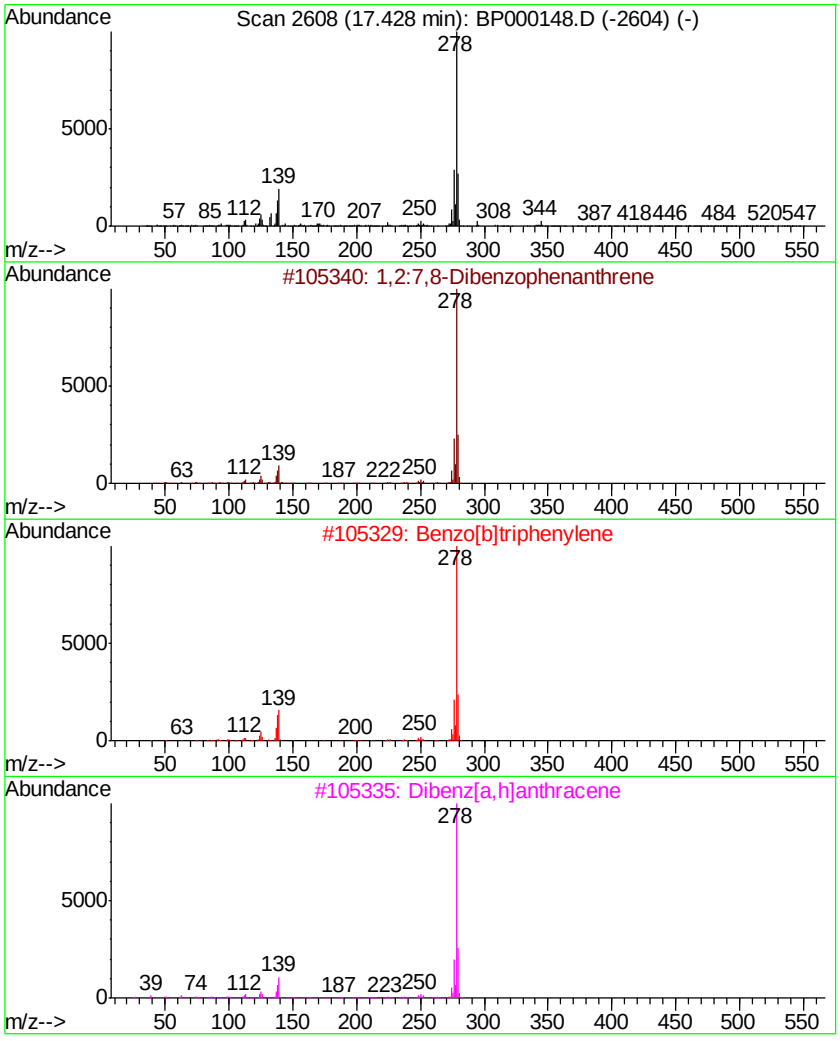
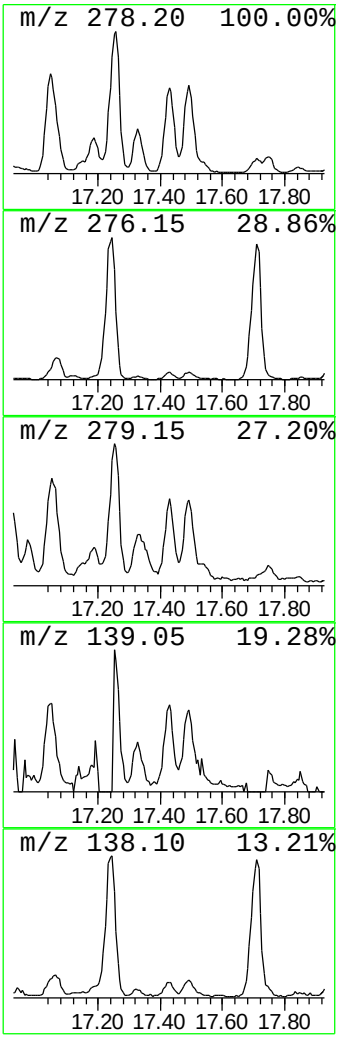
Peak Number 21 1,2:7,8-Dibenzophenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.18 ng/ul	379382	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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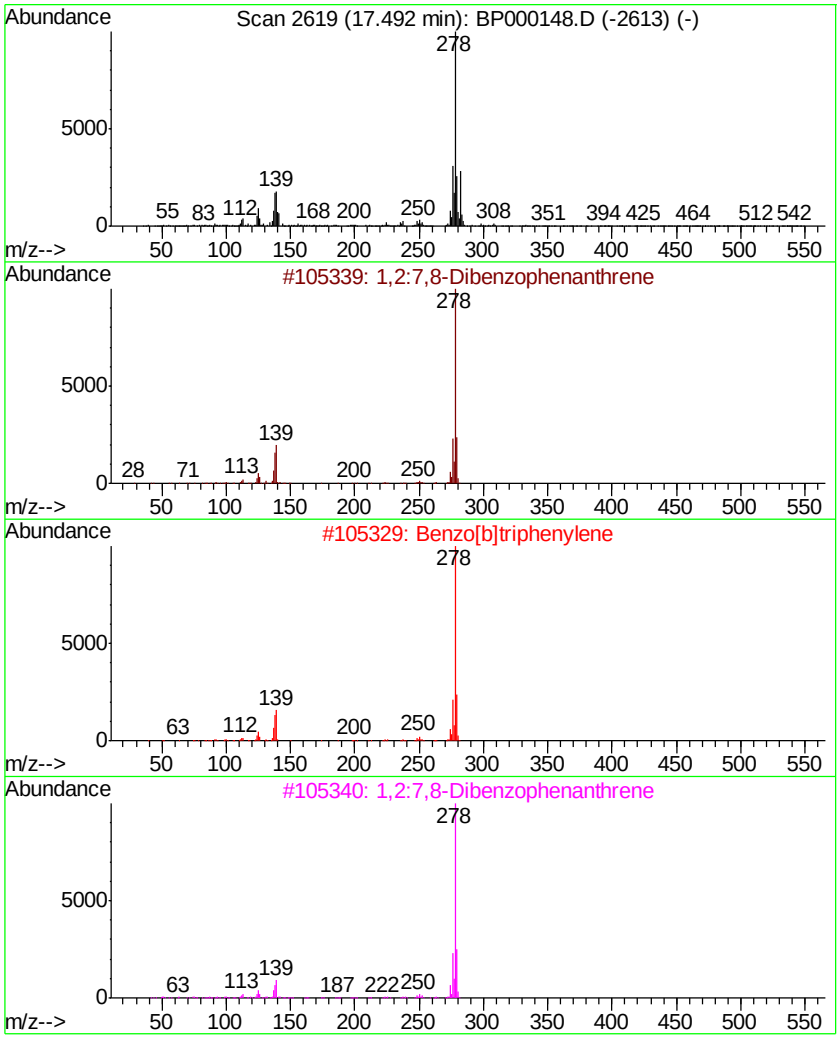
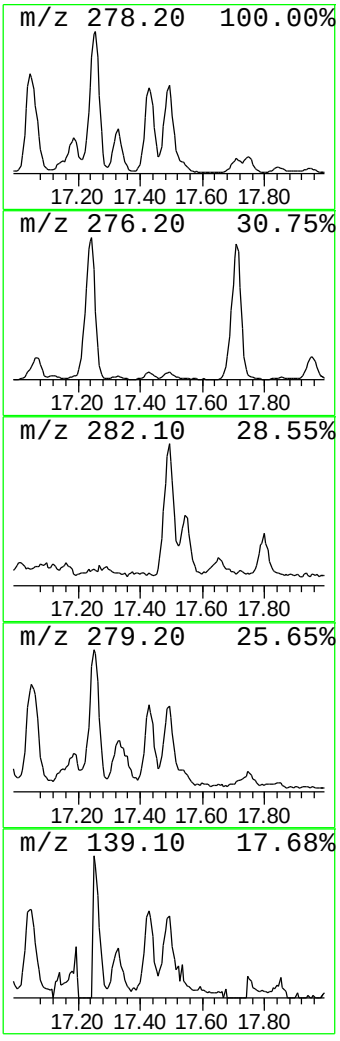
Peak Number 22 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	3.88 ng/ul	674411	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5	Benzo[b]chrysene	278	C22H14	000214-17-5	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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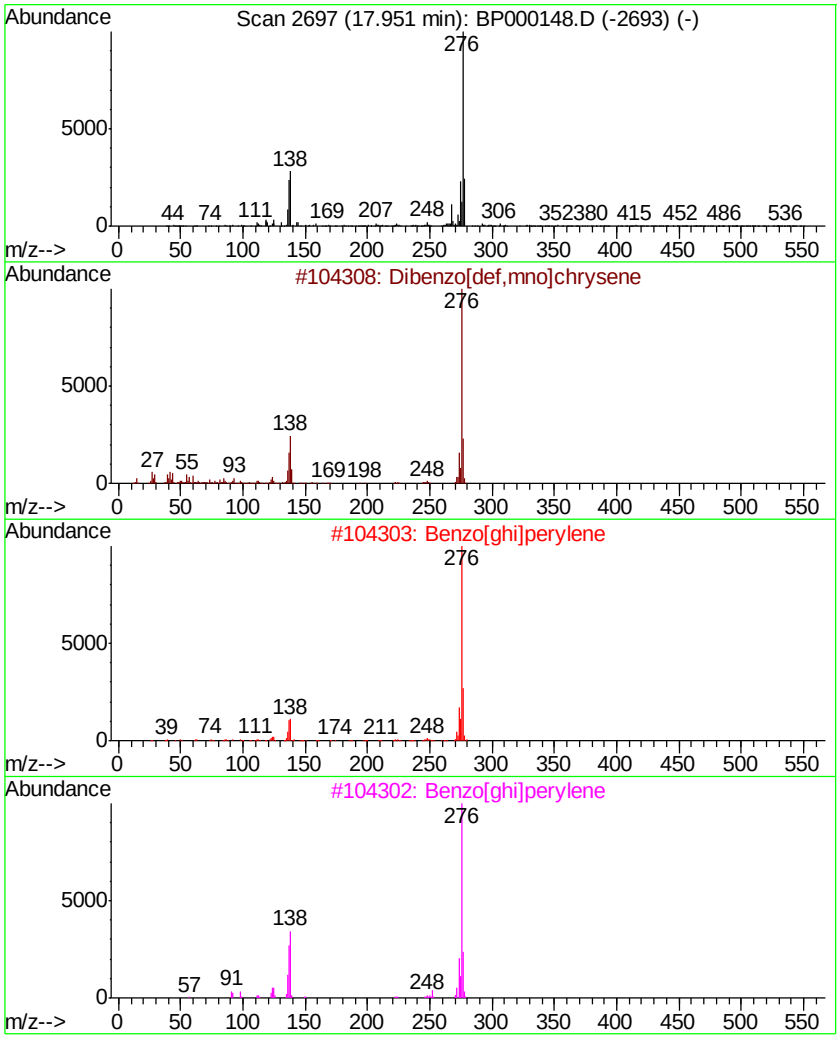
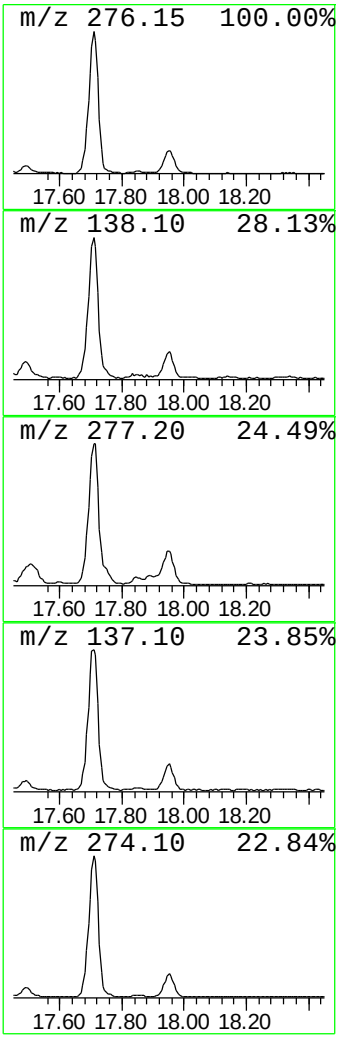
Peak Number 23 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.05 ng/ul	530506	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	89
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	81
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000148.D
Acq On : 09 Sep 2019 21:40
Operator : HP/JU
Sample : K4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	213.2	ng/ul	21772400	1	6.89	2042140	20.0
Phenanthrene, 2-m...	11.96	2.5	ng/ul	465345	4	11.45	3645670	20.0
Anthracene, 9-met...	11.99	6.5	ng/ul	1184280	4	11.45	3645670	20.0
4H-Cyclopenta[def...	12.07	4.7	ng/ul	856888	4	11.45	3645670	20.0
9,10-Anthracenedione	12.27	3.5	ng/ul	637669	4	11.45	3645670	20.0
Phenanthrene, 2,5...	12.52	2.1	ng/ul	379519	4	11.45	3645670	20.0
Cyclopenta(def)ph...	12.60	2.6	ng/ul	482444	4	11.45	3645670	20.0
7H-Benz[de]anthra...	13.76	2.4	ng/ul	1211400	5	14.14	10221300	20.0
Benzo[b]naphtho[2...	13.88	3.5	ng/ul	1789500	5	14.14	10221300	20.0
11H-Benzo[a]fluor...	13.97	2.2	ng/ul	1141270	5	14.14	10221300	20.0
Benz[a]anthracene...	14.53	2.2	ng/ul	1117960	5	14.14	10221300	20.0
unknown-01	14.66	2.6	ng/ul	1355000	5	14.14	10221300	20.0
(DEL) Alkane: Str...	15.00	5.7	ng/ul	984341	6	15.68	3477910	20.0
Benzo[e]pyrene	15.34	3.8	ng/ul	657564	6	15.68	3477910	20.0
(DEL) Alkane: Str...	15.37	6.5	ng/ul	1124560	6	15.68	3477910	20.0
(DEL) Alkane: Str...	15.79	8.0	ng/ul	1395660	6	15.68	3477910	20.0
unknown-02	16.06	2.2	ng/ul	383898	6	15.68	3477910	20.0
unknown-03	16.27	9.2	ng/ul	1603700	6	15.68	3477910	20.0
unknown-04	16.83	5.6	ng/ul	966930	6	15.68	3477910	20.0
1,2:7,8-Dibenzoph...	17.43	2.2	ng/ul	379382	6	15.68	3477910	20.0
Benzo[b]triphenylene	17.49	3.9	ng/ul	674411	6	15.68	3477910	20.0
Dibenzo[def,mno]c...	17.95	3.0	ng/ul	530506	6	15.68	3477910	20.0