LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

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-BP100919MA.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	2.369	45	48	61	rVB	32441	47318	1.57%	0.094%
2	3.516	237	243	255	rBV	38057	65324	2.17%	0.130%
3	6.387	727	731	736	rBV	951550	935431	31.07%	1.867%
4	6.428	736	738	750	rVV	794243	746069	24.78%	1.489%
5	6.516	750	753	760	rVV	1041559	947738	31.48%	1.892%
6	6.746	789	792	796	rBV	1257187	1137026	37.76%	2.270%
7	7.134	854	858	874	rBV	1120956	1008673	33.50%	2.013%
8	7.305	884	887	891	rBV	1000500	800589	26.59%	1.598%
9	7.634	939	943	955	rBV	833958	666918	22.15%	1.331%
10	7.881	982	985	1007	rBV	1048430	1134896	37.69%	2.265%
11	8.034	1007	1011	1014	rVV	1801046	1500435	49.83%	2.995%
12	8.093	1018	1021	1037	rVV	863349	736681	24.47%	1.471%
13	9.451	1249	1252	1255	rVV2	35147	37143	1.23%	0.074%
14	9.487	1255	1258	1260	rVV	1880317	1498279	49.76%	2.991%
15	9.510	1260	1262	1268	rVV	1007744	742511	24.66%	1.482%
16	9.640	1280	1284	1294	rVB	2453109	2032542	67.50%	4.057%
17	9.798	1307	1311	1314	rVV	2043620	1809301	60.09%	3.612%
18	9.828	1314	1316	1320	rVB	56943	45036	1.50%	0.090%
19	9.916	1327	1331	1339	rBV	256977	354273	11.77%	0.707%
20	9.975	1339	1341	1344	rVV	54994	60046	1.99%	0.120%
21	10.004	1344	1346	1351	rVV	172401	150192	4.99%	0.300%
22	10.316	1396	1399	1402	rBV	2598775	2301088	76.42%	4.593%
23	10.346	1402	1404	1409	rVB	72784	60959	2.02%	0.122%
24	10.393	1409	1412	1418	rBV	329900	314349	10.44%	0.627%
25	10.445	1418	1421	1426	rVV3	43451	67149	2.23%	0.134%
26	10.716	1464	1467	1471	rBV2	33247	37453	1.24%	0.075%
27	11.134	1536	1538	1542	rBV3	20319	34076	1.13%	0.068%
28	11.293	1561	1565	1568	rBV	2204585	1982911	65.86%	3.958%
29	11.316	1568	1569	1572	rVV	792488	504562	16.76%	1.007%
30	11.351	1572	1575	1578	rVV	2800692	2359621	78.37%	4.710%
31	11.410	1581	1585	1588	rVB2	32152	33835	1.12%	0.068%
32	11.528	1599	1605	1608	rBV2	75198	83778	2.78%	0.167%
33	11.634	1619	1623	1628	rVB3	37073	42256	1.40%	0.084%
34	11.804	1648	1652	1654	rBV	160630	142847	4.74%	0.285%

LSC Area Percent Report

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Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

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-BP100919MA.M
Title : SVOA CALIBRATION

35	11.834	1654	1657	1661	rVV	258994	249684	8.29%	0.498%
36	11.875	1661	1664	1667	rVV2	63261	72893	2.42%	0.146%
37	11.916	1667	1671	1673	rVV2	261965	276349	9.18%	0.552%
38	11.940	1673	1675	1680	rVB	123493	107380	3.57%	0.214%
39	12.098	1699	1702	1705	rVV	104163	108388	3.60%	0.216%
40	12.128	1705	1707	1711	rVB2	116756	99522	3.31%	0.199%
41	12.251	1723	1728	1731	rBV2	69104	82927	2.75%	0.166%
42	12.287	1731	1734	1736	rVV	59795	58154	1.93%	0.116%
43	12.310	1736	1738	1740	rVB	44831	33457	1.11%	0.067%
44	12.357	1743	1746	1749	rVV	150477	161036	5.35%	0.321%
45	12.398	1749	1753	1758	rVV3	98559	177432	5.89%	0.354%
46	12.445	1758	1761	1766	rVV2	110570	133060	4.42%	0.266%
47	12.522	1769	1774	1778	rVV	1721786	1411044	46.86%	2.817%
48	12.569	1779	1782	1784	rVV	61731	59218	1.97%	0.118%
49	12.616	1788	1790	1793	rVV	35677	35620	1.18%	0.071%
50	12.657	1794	1797	1804	rVV4	68263	131903	4.38%	0.263%
51	12.734	1807	1810	1812	rVV	2892346	2961593	98.36%	5.912%
52	12.751	1812	1813	1816	rVV	1513143	1141897	37.92%	2.279%
53	12.781	1816	1818	1820	rVV	70380	65863	2.19%	0.131%
54	12.804	1820	1822	1827	rVB2	84116	108361	3.60%	0.216%
55	12.875	1831	1834	1836	rBV	83806	71926	2.39%	0.144%
56	12.916	1838	1841	1845	rVB	75349	89030	2.96%	0.178%
57	12.975	1846	1851	1855	rBV2	142040	218283	7.25%	0.436%
58	13.034	1859	1861	1863	rBV2	37871	38594	1.28%	0.077%
59	13.063	1863	1866	1867	rVV3	113718	111754	3.71%	0.223%
60	13.087	1867	1870	1873	rVB	294083	276473	9.18%	0.552%
61	13.151	1877	1881	1884	rVV2	205629	211118	7.01%	0.421%
62	13.192	1884	1888	1890	rVV2	227300	220212	7.31%	0.440%
63	13.216	1890	1892	1896	rVV	49053	58260	1.93%	0.116%
64	13.287	1901	1904	1907	rVV	142168	119435	3.97%	0.238%
65	13.316	1907	1909	1913	rVB	144573	120626	4.01%	0.241%
66	13.492	1936	1939	1942	rBV2	79138	72599	2.41%	0.145%
67	13.581	1951	1954	1955	rBV	36838	36493	1.21%	0.073%
68	13.604	1955	1958	1963	rVB	123624	132828	4.41%	0.265%
69	13.716	1971	1977	1979	rBV3	172781	235413	7.82%	0.470%
70	13.739	1979	1981	1984	rVV	141098	125015	4.15%	0.250%
71	13.769	1984	1986	1991	rVV2	91985	131140	4.36%	0.262%

LSC Area Percent Report

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Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

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-BP100919MA.M
Title : SVOA CALIBRATION

72	13.816	1991	1994	2002	rVB2	423183	530531	17.62%	1.059%
73	13.969	2012	2020	2023	rBV2	2311229	3010954	100.00%	6.010%
74	13.992	2023	2024	2033	rVB	846646	681105	22.62%	1.360%
75	14.075	2033	2038	2041	rBV2	133335	157160	5.22%	0.314%
76	14.116	2043	2045	2047	rVV	64415	68597	2.28%	0.137%
77	14.145	2047	2050	2055	rVV5	212480	249928	8.30%	0.499%
78	14.198	2055	2059	2062	rVB2	60792	80254	2.67%	0.160%
79	14.328	2078	2081	2082	rBV	59049	47283	1.57%	0.094%
80	14.363	2082	2087	2090	rVV	238962	266602	8.85%	0.532%
81	14.398	2090	2093	2096	rVV	130927	133539	4.44%	0.267%
82	14.457	2100	2103	2106	rVV2	436588	443044	14.71%	0.884%
83	14.486	2106	2108	2110	rVV	140679	143467	4.76%	0.286%
84	14.510	2110	2112	2116	rVB	129903	111976	3.72%	0.224%
85	14.763	2152	2155	2158	rBV	370590	381568	12.67%	0.762%
86	14.839	2165	2168	2170	rBV2	68521	83597	2.78%	0.167%
87	14.910	2177	2180	2186	rVB5	71299	104933	3.49%	0.209%
88	15.022	2194	2199	2202	rBV	698054	1088982	36.17%	2.174%
89	15.104	2209	2213	2216	rBV2	460710	567990	18.86%	1.134%
90	15.322	2246	2250	2252	rBV	401739	460525	15.29%	0.919%
91	15.357	2252	2256	2259	rVV	1910556	2417285	80.28%	4.825%
92	15.386	2259	2261	2266	rVB	653576	638313	21.20%	1.274%
93	15.451	2266	2272	2275	rBV	1397795	1791879	59.51%	3.577%
94	15.486	2275	2278	2284	rVB3	428917	602029	19.99%	1.202%
95	15.928	2348	2353	2358	rBV	315857	454634	15.10%	0.908%
96	16.433	2435	2439	2451	rVB2	140345	263099	8.74%	0.525%
97	16.728	2485	2489	2492	rBV2	54298	87089	2.89%	0.174%
98	16.916	2515	2521	2531	rVB2	268195	518149	17.21%	1.034%
99	17.028	2538	2540	2546	rVB2	64251	98937	3.29%	0.197%
100	17.357	2590	2596	2607	rVB	214503	446568	14.83%	0.891%

Sum of corrected areas: 50096302

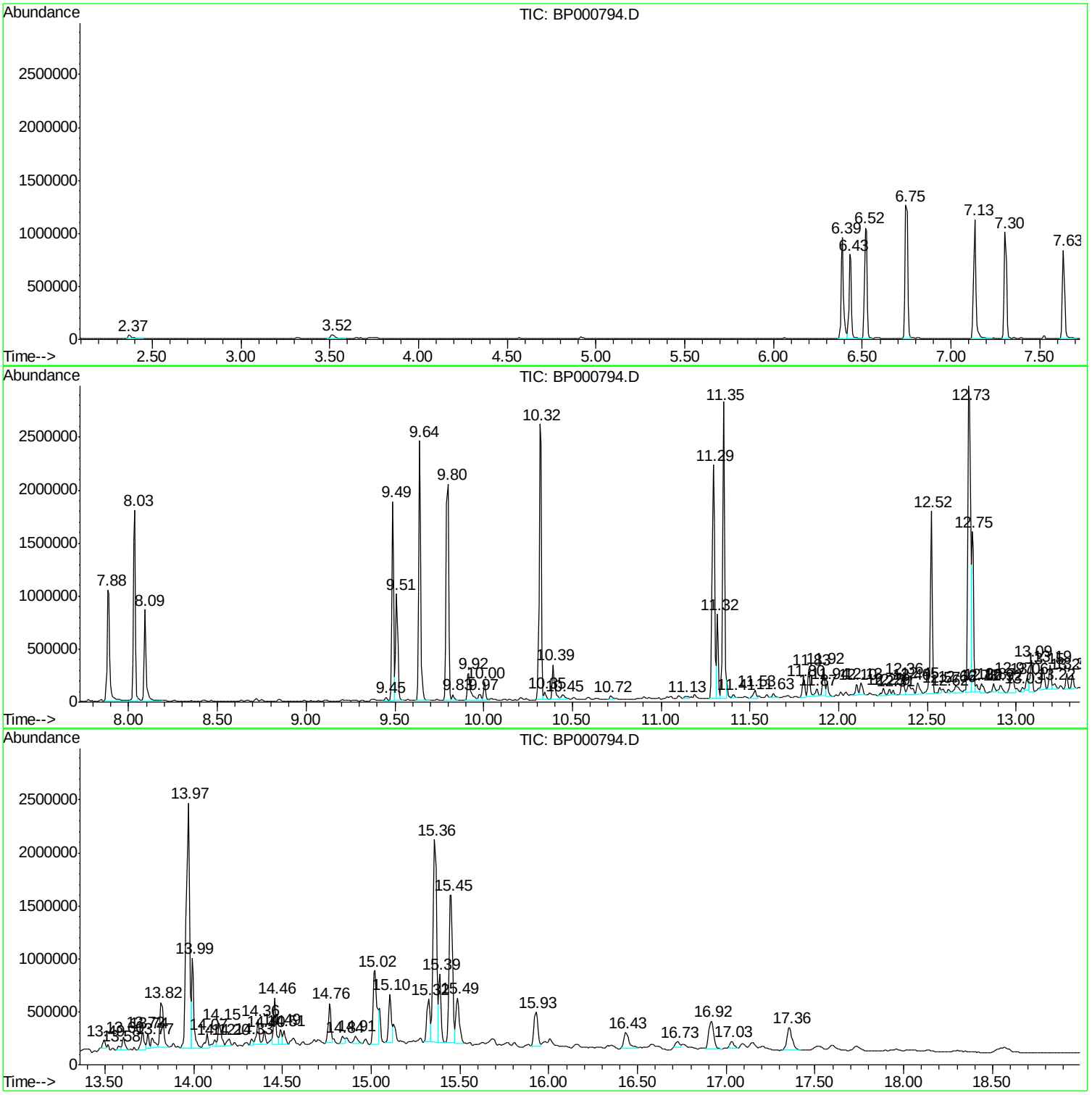
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BP000794.D
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Quant Title : SVOA CALIBRATION

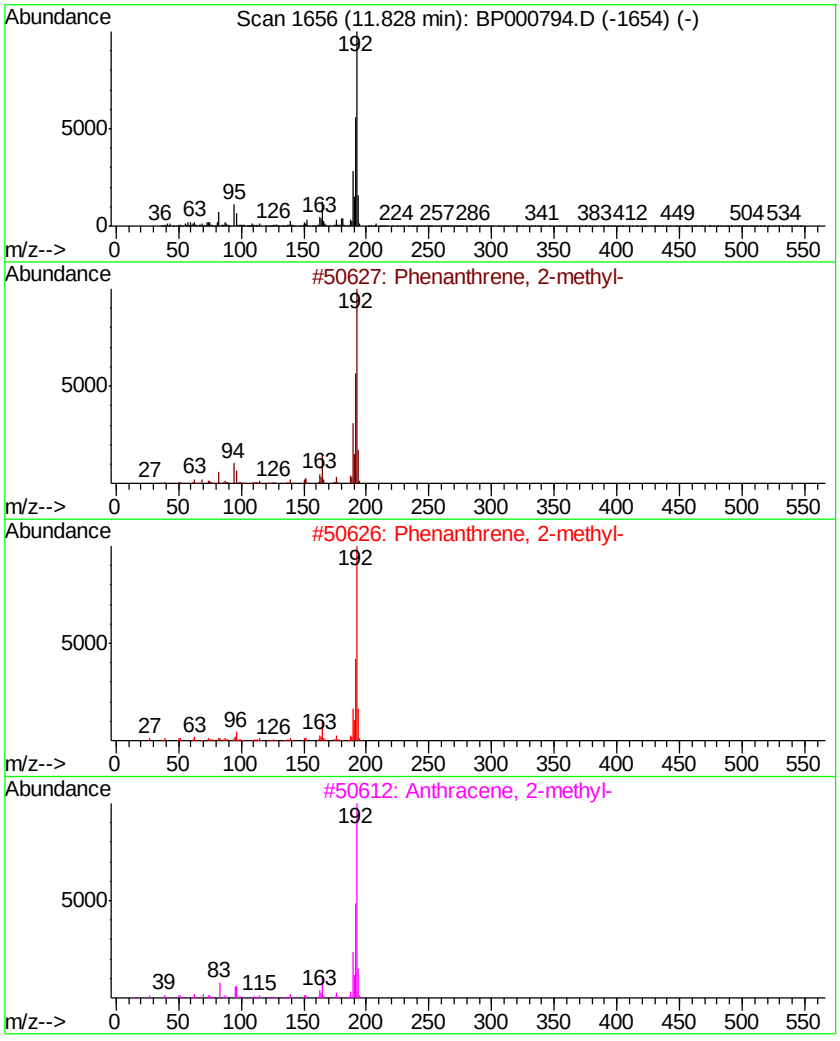
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

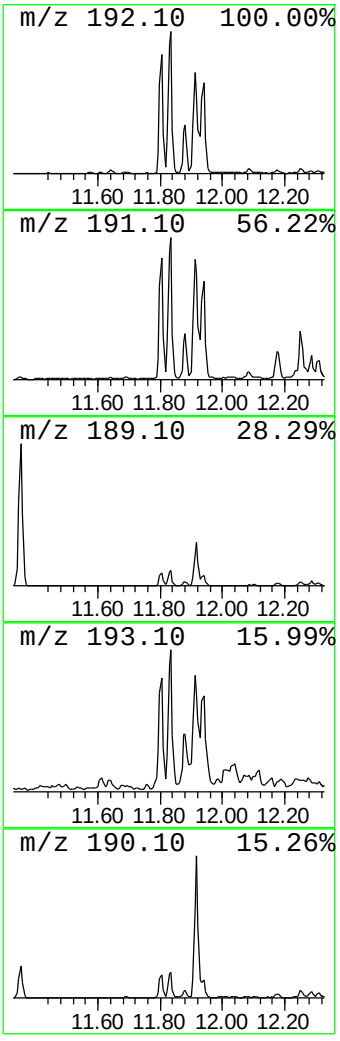
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.52 ng/ul	249684	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

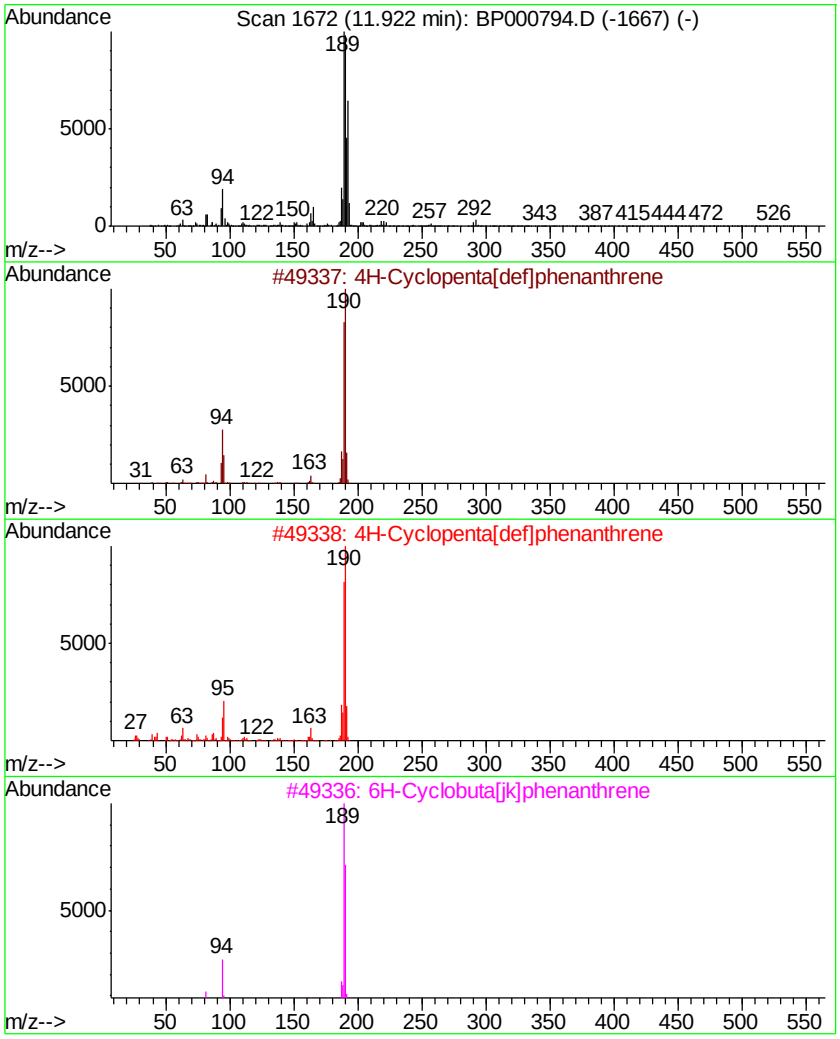
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

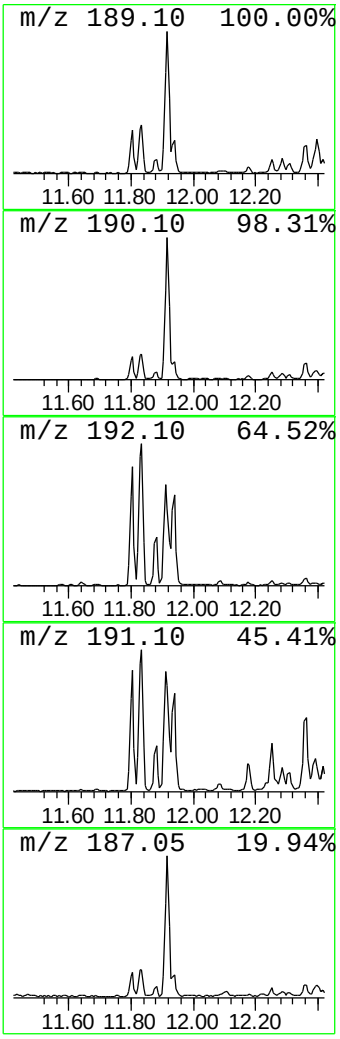
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.79 ng/ul	276349	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





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Sample : K5178-21
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Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

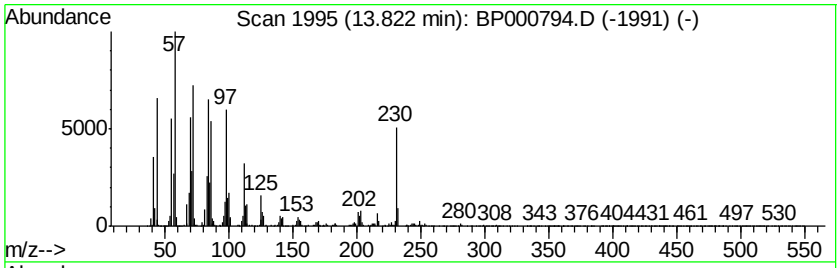
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

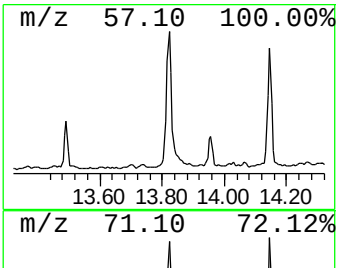
****

Peak Number 3 11H-Benzo[a]fluoren-11-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.52 ng/ul	530531	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	30
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	30
4	Benzene, 1,1'-oxybis[2-methoxy-	230	C14H14O3	001655-70-5	22
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	22





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Instrument : BNA_P
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

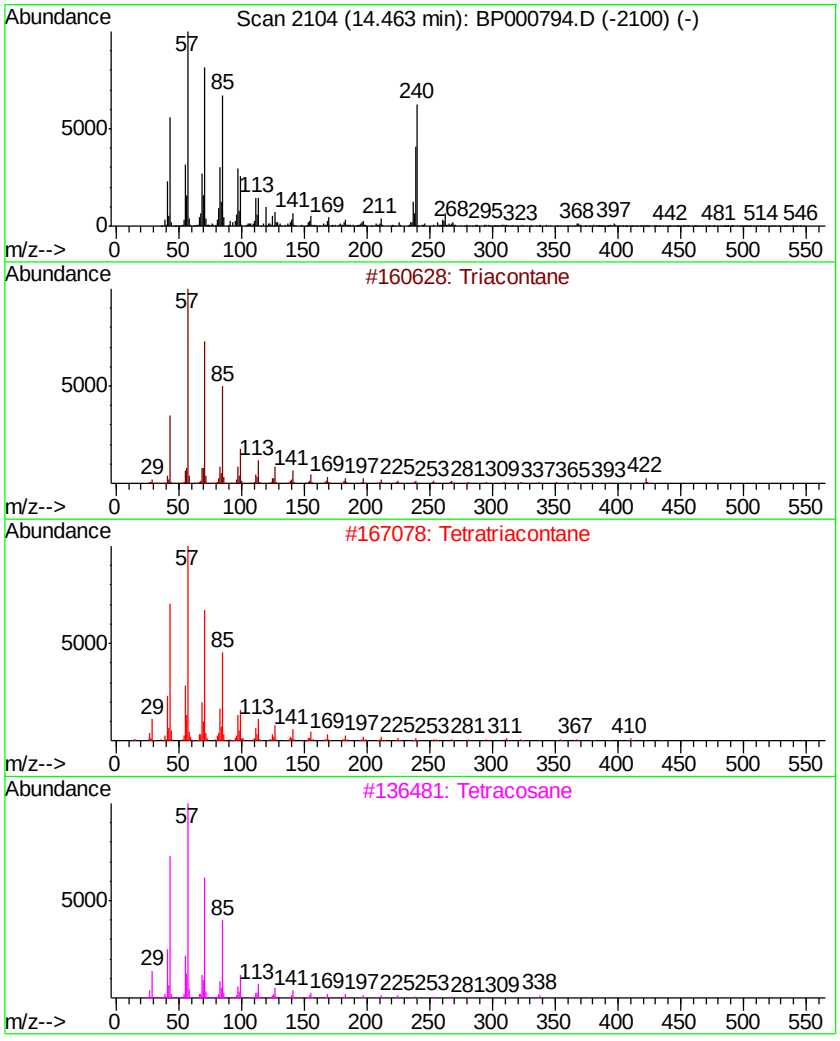
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

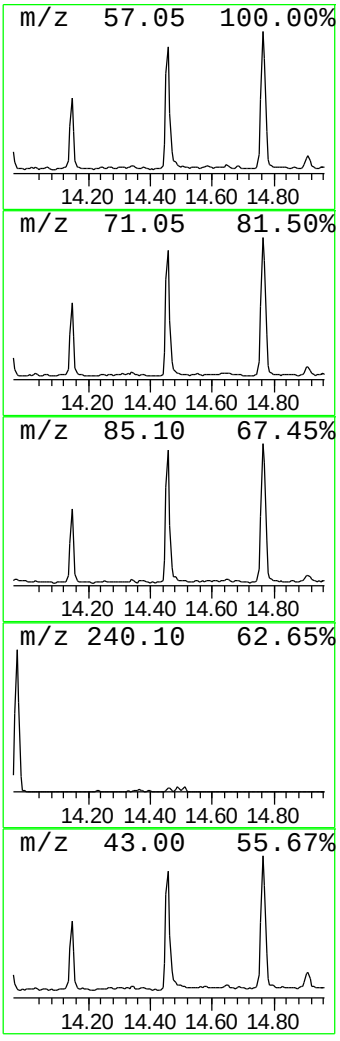
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.94 ng/ul	443044	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	76
2	Tetratriacontane	479	C34H70	014167-59-0	70
3	Tetracosane	338	C24H50	000646-31-1	70
4	Octacosane	394	C28H58	000630-02-4	68
5	Tetracosane	338	C24H50	000646-31-1	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

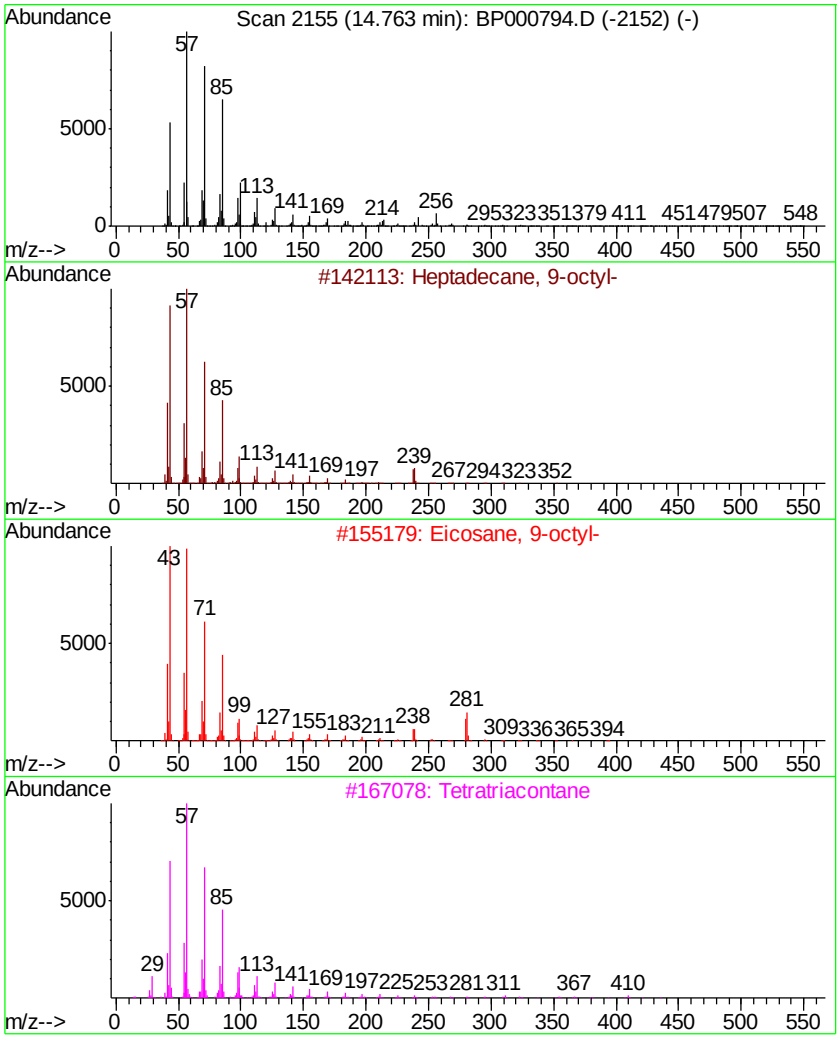
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

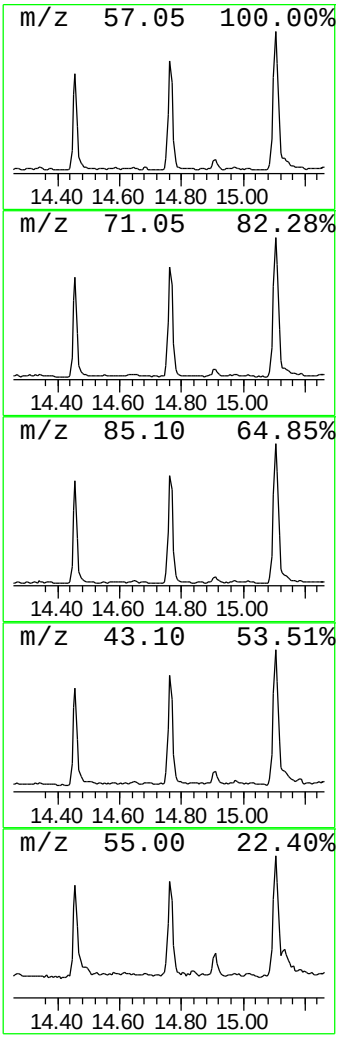
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	4.26 ng/ul	381568	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
3	Tetratriacontane	479	C34H70	014167-59-0	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Hexadecane	226	C16H34	000544-76-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

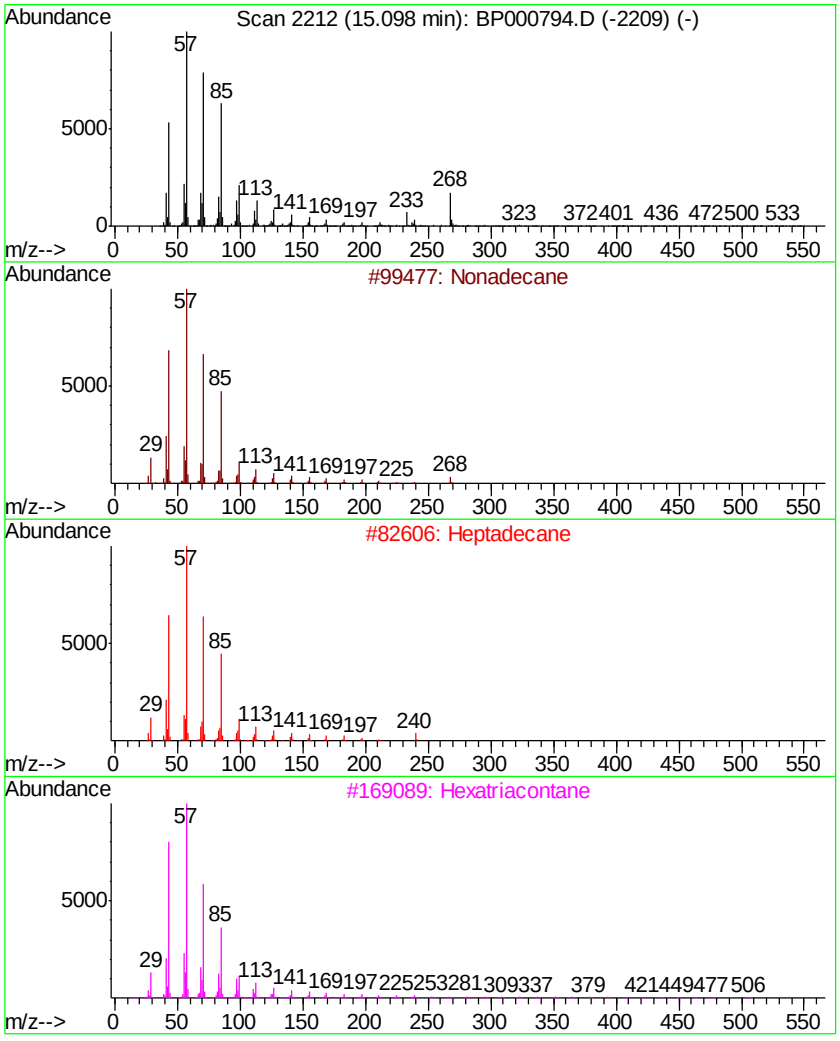
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

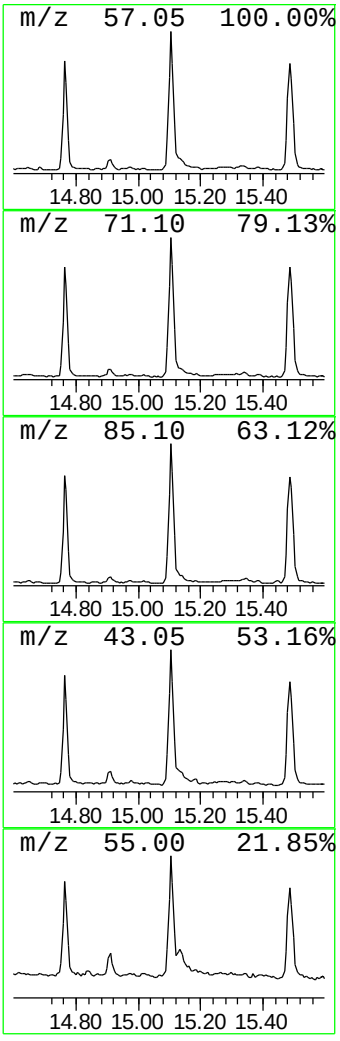
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	6.34 ng/ul	567990	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	Hexatriacontane	507	C36H74	000630-06-8	93
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	Heptacosane	380	C27H56	000593-49-7	91





Library Search Compound Report

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Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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

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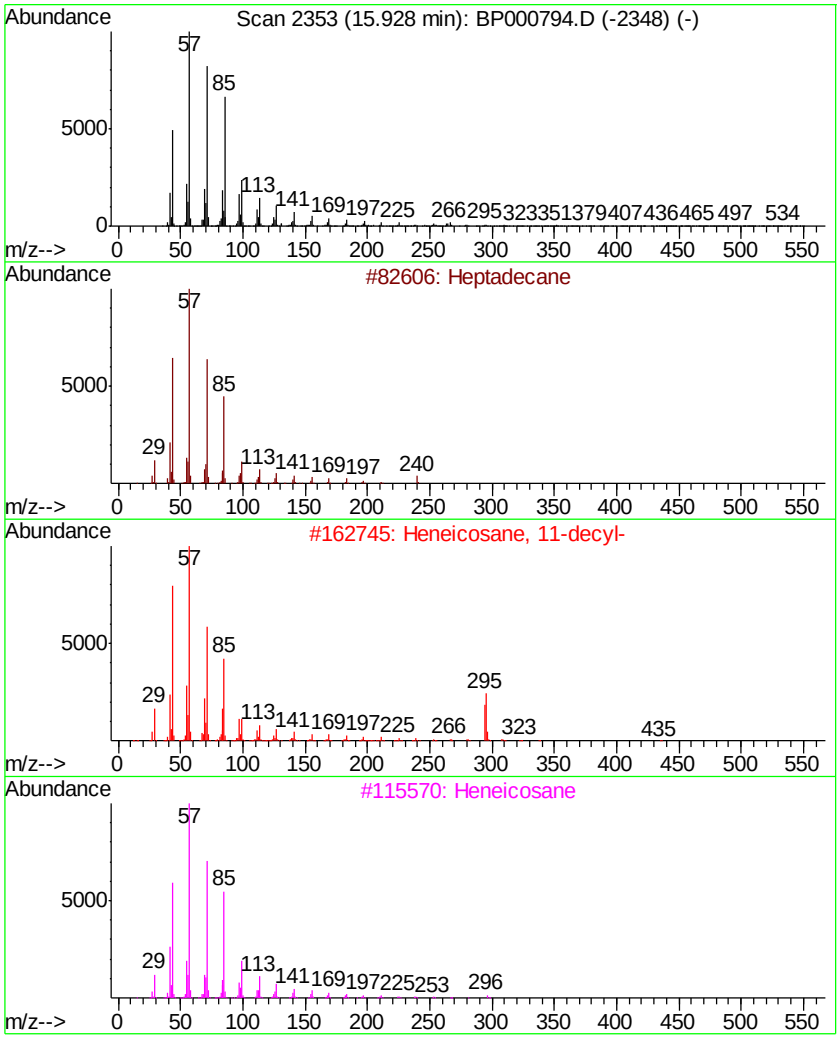
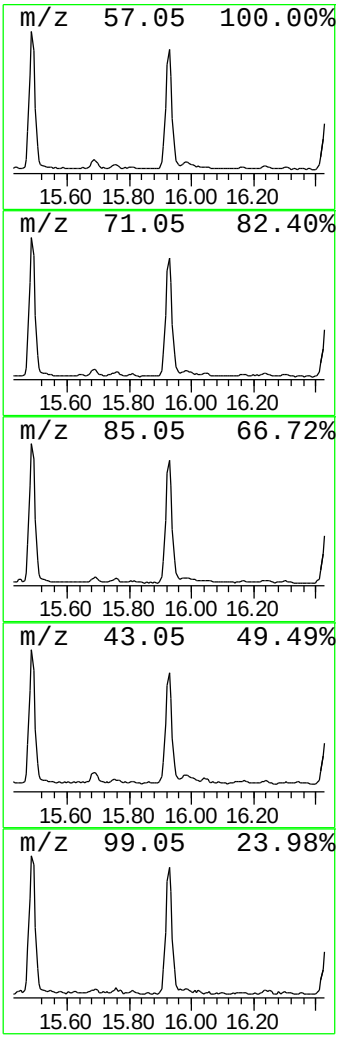
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.07 ng/ul	454634	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

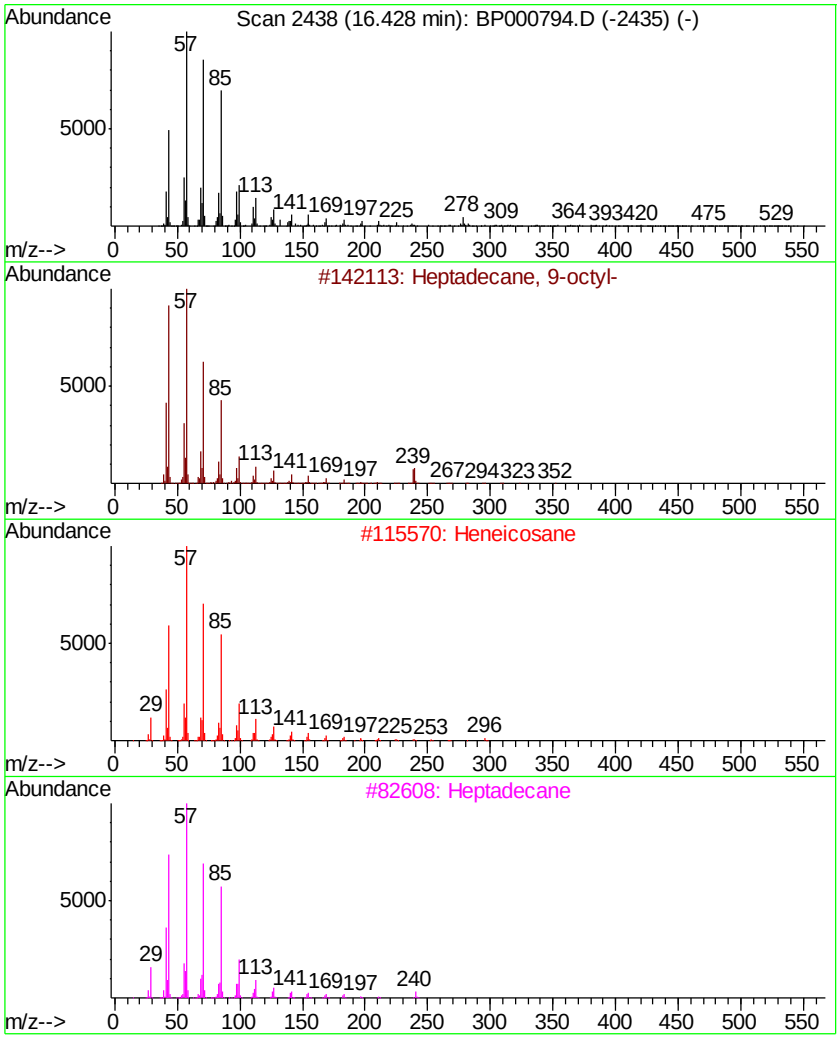
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

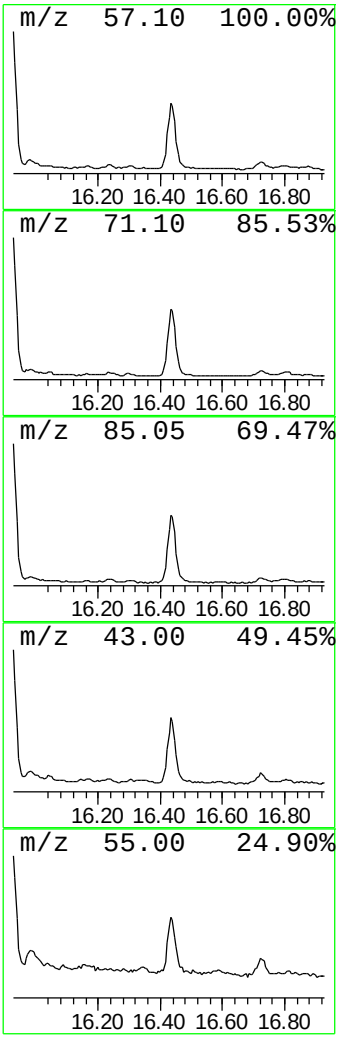
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.94 ng/ul	263099	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Eicosane, 9-octyl-	394	C28H58	013475-77-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101619\
Data File : BP000794.D
Acq On : 16 Oct 2019 02:38
Operator : JU
Sample : K5178-21
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.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
Phenanthrene, 2-m...	11.83	2.5	ng/ul	249684	4	11.29	1982910	20.0
4H-Cyclopenta[def...	11.92	2.8	ng/ul	276349	4	11.29	1982910	20.0
11H-Benzo[a]fluor...	13.82	3.5	ng/ul	530531	5	13.97	3010950	20.0
(DEL) Alkane: Str...	14.46	2.9	ng/ul	443044	5	13.97	3010950	20.0
(DEL) Alkane: Str...	14.76	4.3	ng/ul	381568	6	15.45	1791880	20.0
(DEL) Alkane: Str...	15.10	6.3	ng/ul	567990	6	15.45	1791880	20.0
(DEL) Alkane: Str...	15.93	5.1	ng/ul	454634	6	15.45	1791880	20.0
(DEL) Alkane: Str...	16.43	2.9	ng/ul	263099	6	15.45	1791880	20.0