LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	566	570	583	rBV	1216308	1149368	58.49%	3.581%
2	5.663	604	608	616	rBV2	44477	65424	3.33%	0.204%
3	6.457	738	743	750	rBV	1340050	1248624	63.54%	3.890%
4	6.593	762	766	773	rBV	1443547	1285162	65.40%	4.004%
5	6.657	773	777	782	rVV2	69608	86006	4.38%	0.268%
6	6.822	802	805	813	rBV	398839	355155	18.07%	1.107%
7	6.981	828	832	835	rBV	1066025	884240	45.00%	2.755%
8	7.004	835	836	843	rVB	139456	97329	4.95%	0.303%
9	7.087	846	850	858	rBV2	76191	107819	5.49%	0.336%
10	7.381	894	900	908	rBV	791240	788970	40.15%	2.458%
11	7.845	973	979	984	rBV4	42341	71395	3.63%	0.222%
12	8.104	1016	1023	1026	rBV	489693	462397	23.53%	1.441%
13	8.910	1155	1160	1169	rVB2	119751	117926	6.00%	0.367%
14	9.175	1201	1205	1216	rBV	1425833	1171403	59.61%	3.650%
15	9.345	1228	1234	1237	rVV2	57320	81777	4.16%	0.255%
16	9.516	1259	1263	1266	rBV	62835	70144	3.57%	0.219%
17	9.563	1268	1271	1279	rBV2	349513	461815	23.50%	1.439%
18	9.628	1279	1282	1288	rVB3	66979	81229	4.13%	0.253%
19	9.716	1292	1297	1302	rBV	355446	395277	20.11%	1.232%
20	9.851	1317	1320	1324	rBV2	558185	493968	25.14%	1.539%
21	9.886	1324	1326	1330	rVB	214156	181209	9.22%	0.565%
22	10.169	1368	1374	1380	rBV4	68056	118082	6.01%	0.368%
23	10.286	1391	1394	1396	rVV2	113085	123956	6.31%	0.386%
24	10.304	1396	1397	1401	rVV	84440	83289	4.24%	0.259%
25	10.398	1410	1413	1420	rVV	139475	180393	9.18%	0.562%
26	10.463	1420	1424	1426	rVV3	67648	85917	4.37%	0.268%
27	10.510	1428	1432	1437	rVV2	172893	222338	11.31%	0.693%
28	10.557	1437	1440	1443	rVV4	53063	67815	3.45%	0.211%
29	10.639	1449	1454	1462	rVB	877351	854032	43.46%	2.661%
30	10.769	1471	1476	1482	rBV2	354691	500755	25.48%	1.560%
31	10.945	1502	1506	1509	rBV4	57874	88879	4.52%	0.277%
32	11.086	1527	1530	1531	rBV2	58516	66240	3.37%	0.206%
33	11.204	1548	1550	1552	rVB	102542	69998	3.56%	0.218%
34	11.233	1552	1555	1559	rVB2	132594	135377	6.89%	0.422%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.333	1569	1572	1575	rBV	483326	426188	21.69%	1.328%
36	11.410	1582	1585	1588	rVB	131917	111208	5.66%	0.346%
37	11.451	1588	1592	1594	rBV3	83171	109442	5.57%	0.341%
38	11.586	1610	1615	1617	rBV5	76784	136869	6.96%	0.426%
39	11.627	1620	1622	1625	rVB2	144873	120649	6.14%	0.376%
40	11.798	1648	1651	1656	rVB	107208	110425	5.62%	0.344%
41	11.863	1656	1662	1667	rBV6	234127	279137	14.20%	0.870%
42	11.910	1667	1670	1673	rBV	92987	99337	5.06%	0.309%
43	11.951	1673	1677	1686	rVB2	409965	532979	27.12%	1.661%
44	12.104	1699	1703	1705	rBV2	62774	88522	4.50%	0.276%
45	12.263	1727	1730	1732	rBV3	101622	105715	5.38%	0.329%
46	12.333	1740	1742	1745	rVB	109863	100349	5.11%	0.313%
47	12.386	1747	1751	1754	rBV	311026	335872	17.09%	1.046%
48	12.422	1754	1757	1760	rVV	288258	353844	18.01%	1.102%
49	12.486	1763	1768	1771	rBV2	210451	309144	15.73%	0.963%
50	12.545	1775	1778	1782	rBV2	559221	576331	29.33%	1.796%
51	12.592	1783	1786	1788	rBV	99778	77370	3.94%	0.241%
52	12.645	1792	1795	1798	rBV2	270560	259925	13.23%	0.810%
53	12.704	1802	1805	1807	rBV3	66045	94283	4.80%	0.294%
54	12.780	1813	1818	1824	rBV	1923846	1965110	100.00%	6.122%
55	12.833	1824	1827	1830	rBV	161724	166665	8.48%	0.519%
56	12.916	1838	1841	1844	rBV	918125	768939	39.13%	2.396%
57	12.992	1851	1854	1861	rVB3	276979	368550	18.75%	1.148%
58	13.051	1861	1864	1866	rBV3	94860	91235	4.64%	0.284%
59	13.086	1866	1870	1871	rVV3	275235	371617	18.91%	1.158%
60	13.104	1871	1873	1876	rVB	408277	337675	17.18%	1.052%
61	13.151	1876	1881	1882	rBV4	68417	108077	5.50%	0.337%
62	13.169	1882	1884	1887	rVV	252150	208439	10.61%	0.649%
63	13.210	1887	1891	1898	rVB	489740	478173	24.33%	1.490%
64	13.298	1903	1906	1909	rVV	421410	423708	21.56%	1.320%
65	13.333	1909	1912	1915	rVB	437045	384695	19.58%	1.199%
66	13.416	1924	1926	1930	rVB2	68532	72688	3.70%	0.226%
67	13.474	1933	1936	1938	rBV2	77024	88058	4.48%	0.274%
68	13.586	1951	1955	1958	rBV2	142160	247600	12.60%	0.771%
69	13.704	1972	1975	1976	rBV2	113772	111942	5.70%	0.349%
70	13.745	1980	1982	1985	rVV	129721	122551	6.24%	0.382%
71	13.851	1998	2000	2003	rVB	85899	78619	4.00%	0.245%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.963	2015	2019	2023	rBV2	940840	1308014	66.56%	4.075%
73	13.998	2023	2025	2033	rVB	647901	627363	31.93%	1.955%
74	14.127	2043	2047	2052	rVB5	94515	178201	9.07%	0.555%
75	14.286	2072	2074	2077	rVV3	76983	87796	4.47%	0.274%
76	14.321	2077	2080	2082	rVV	111271	131473	6.69%	0.410%
77	14.357	2082	2086	2089	rVV	421296	491881	25.03%	1.533%
78	14.392	2089	2092	2094	rVV	206135	207945	10.58%	0.648%
79	14.433	2095	2099	2101	rVV3	223618	311114	15.83%	0.969%
80	14.480	2104	2107	2109	rVV	232028	250811	12.76%	0.781%
81	14.504	2109	2111	2114	rVV	270892	234375	11.93%	0.730%
82	14.551	2115	2119	2122	rVB2	143780	158446	8.06%	0.494%
83	14.739	2148	2151	2153	rBV	141645	134998	6.87%	0.421%
84	14.898	2175	2178	2189	rVB3	99227	201447	10.25%	0.628%
85	15.004	2189	2196	2199	rBV	484469	818654	41.66%	2.551%
86	15.063	2203	2206	2210	rVV3	114294	139862	7.12%	0.436%
87	15.104	2210	2213	2218	rVB	183759	205373	10.45%	0.640%
88	15.298	2241	2246	2251	rBV	459171	552706	28.13%	1.722%
89	15.363	2251	2257	2261	rBV	754181	933261	47.49%	2.908%
90	15.421	2261	2267	2269	rBV	308671	467480	23.79%	1.456%
91	15.592	2291	2296	2298	rBV2	74866	129813	6.61%	0.404%
92	15.768	2323	2326	2332	rVB2	57583	88932	4.53%	0.277%
93	15.857	2334	2341	2344	rBV3	98033	188993	9.62%	0.589%
94	15.968	2356	2360	2364	rVB2	116946	153497	7.81%	0.478%
95	16.851	2503	2510	2517	rVB3	223337	445326	22.66%	1.387%
96	16.921	2517	2522	2528	rVB3	42581	75231	3.83%	0.234%
97	17.015	2532	2538	2543	rBV	57759	109307	5.56%	0.341%
98	17.068	2543	2547	2555	rBV3	41931	97134	4.94%	0.303%
99	17.286	2576	2584	2590	rBV	172386	354521	18.04%	1.105%
100	17.515	2616	2623	2630	rBV	63584	137028	6.97%	0.427%

Sum of corrected areas: 32096620

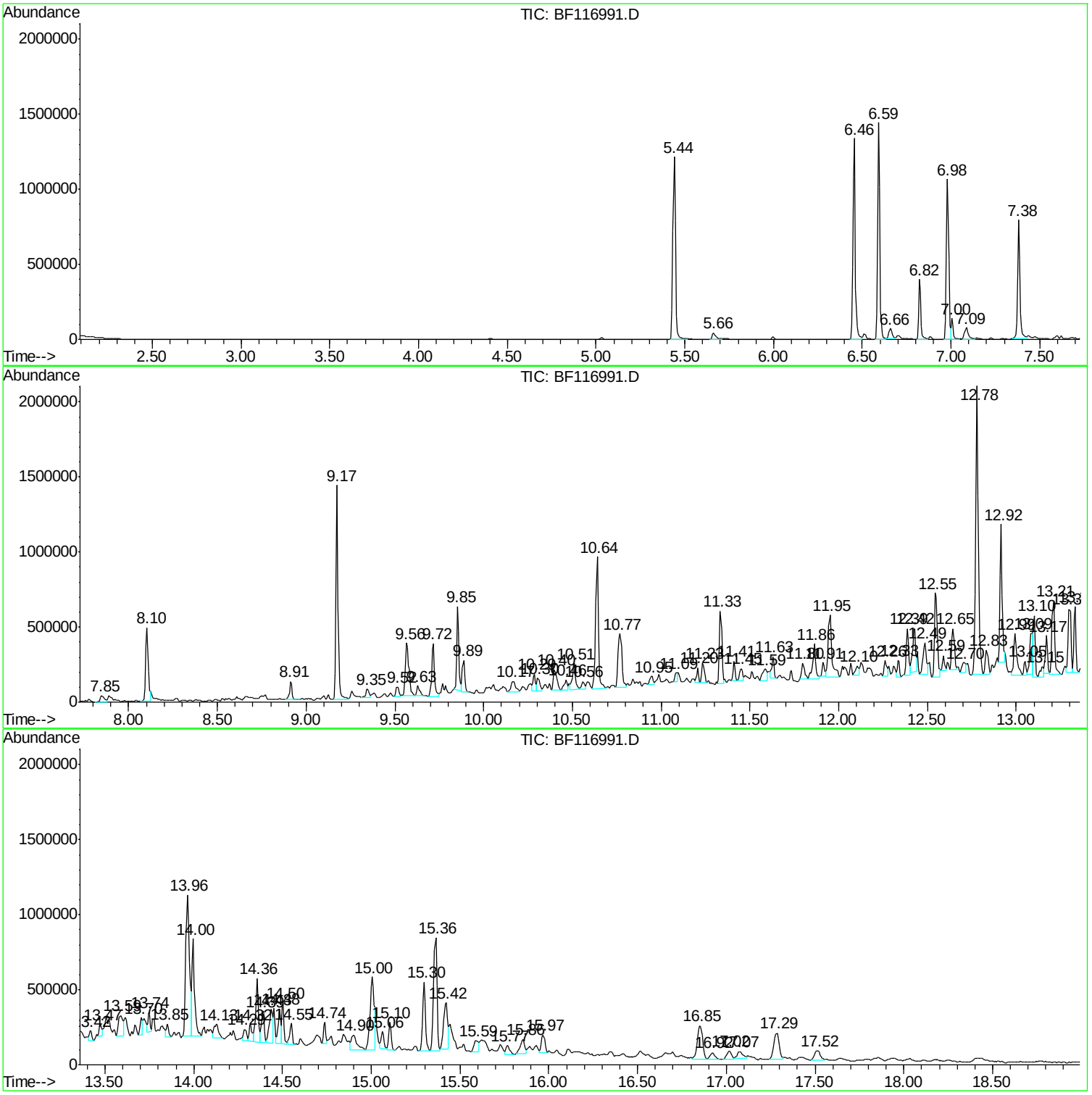
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

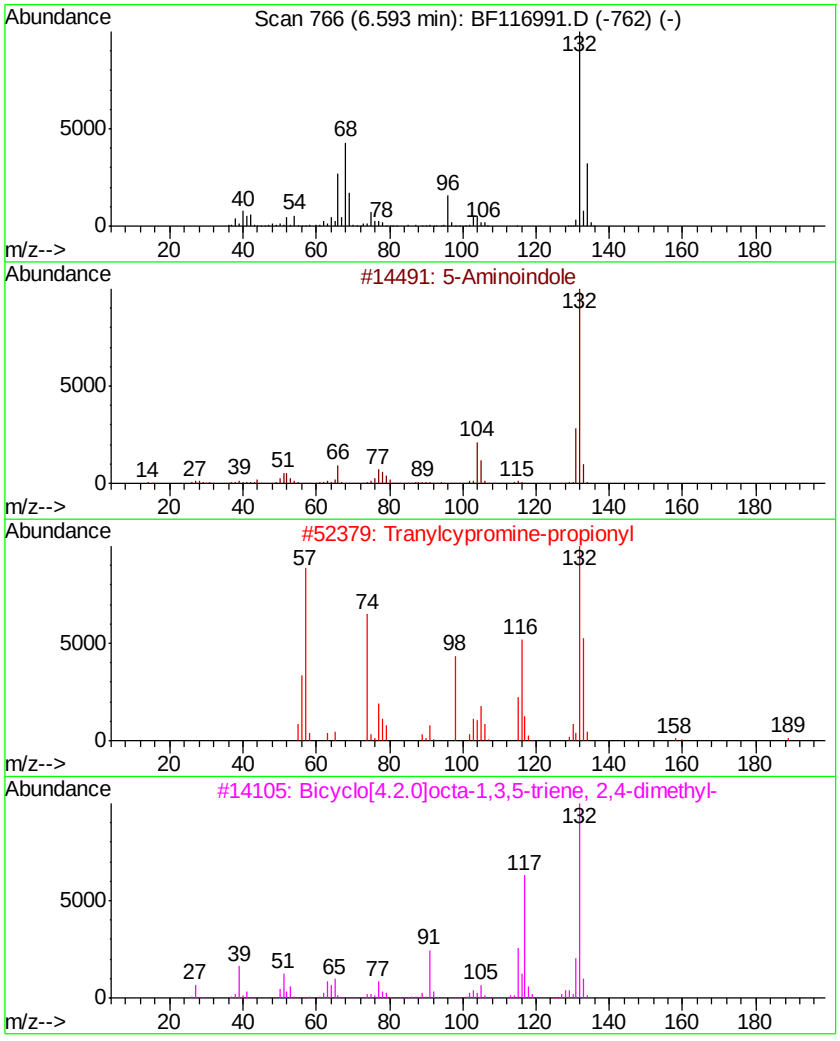
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

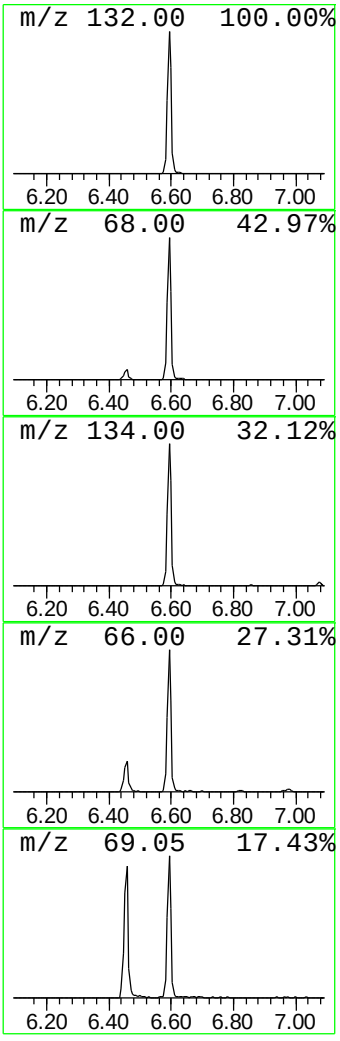
****

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	72.37 ng	1285160	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

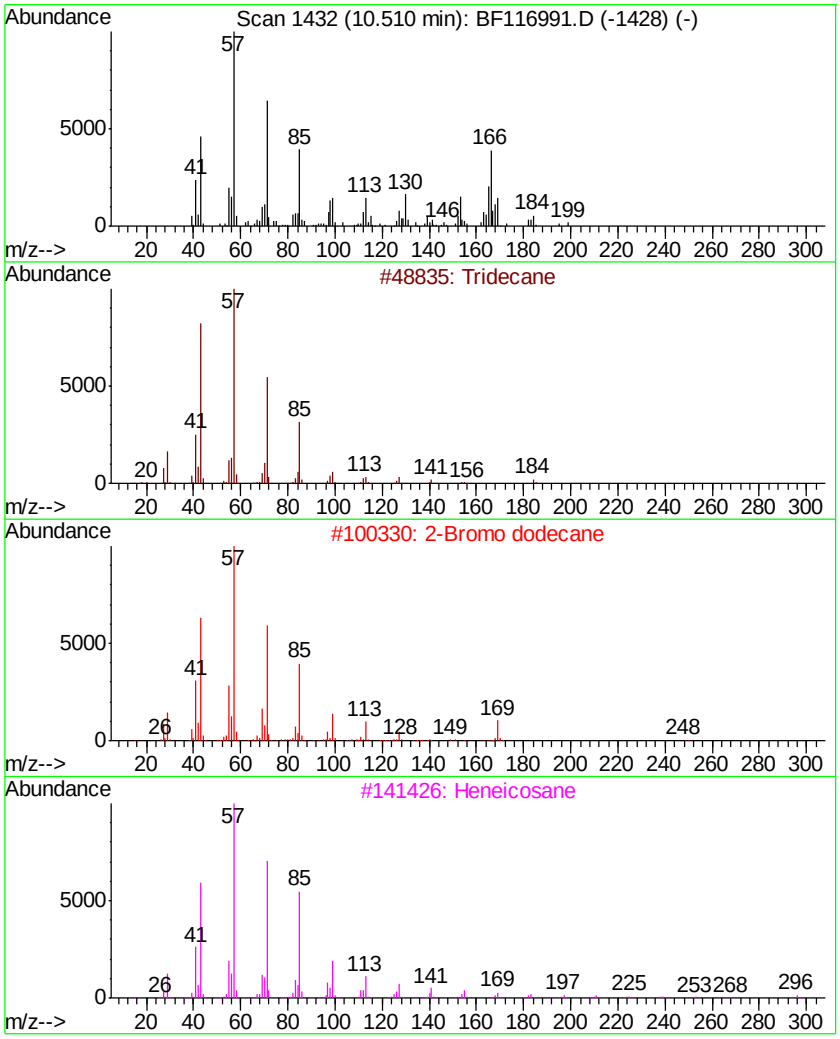
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

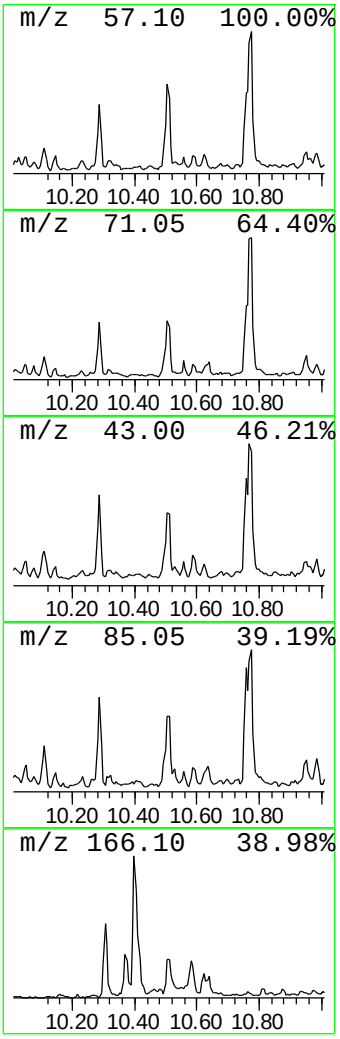
****

Peak Number 3 unknown10.51 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	9.00 ng	222338	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	46
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	43
3	Heneicosane	296	C21H44	000629-94-7	41
4	Hexacosane	366	C26H54	000630-01-3	38
5	Hexadecane	226	C16H34	000544-76-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

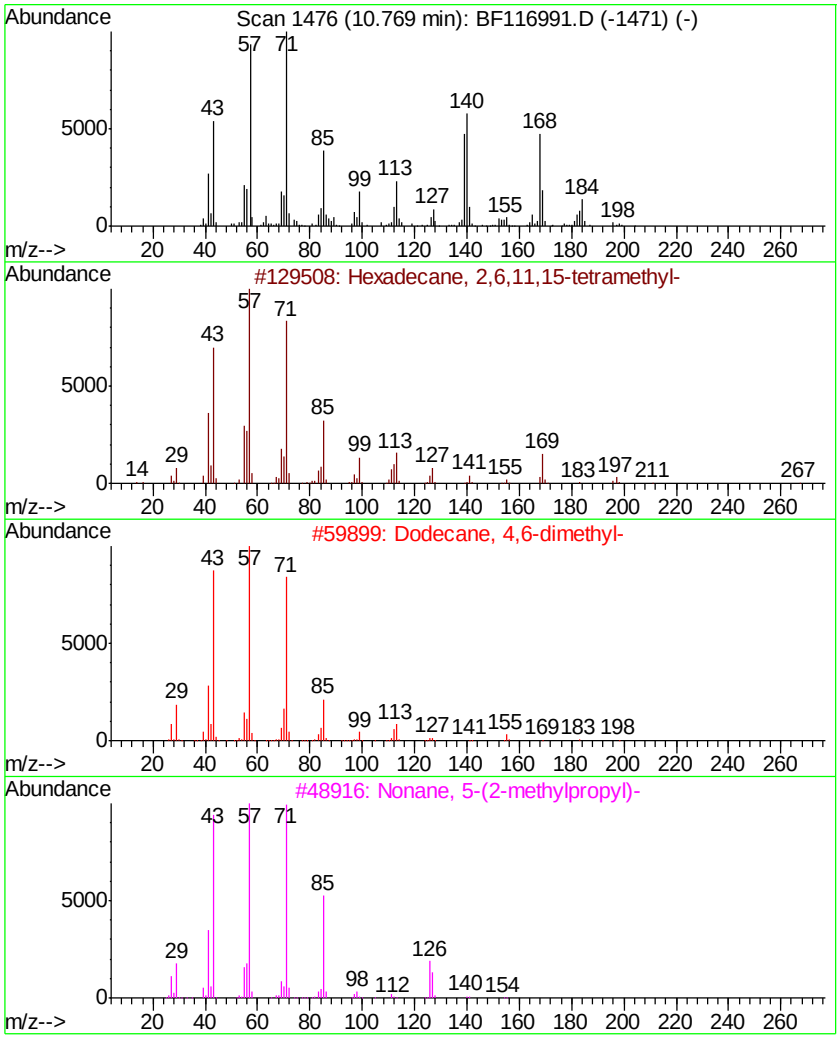
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

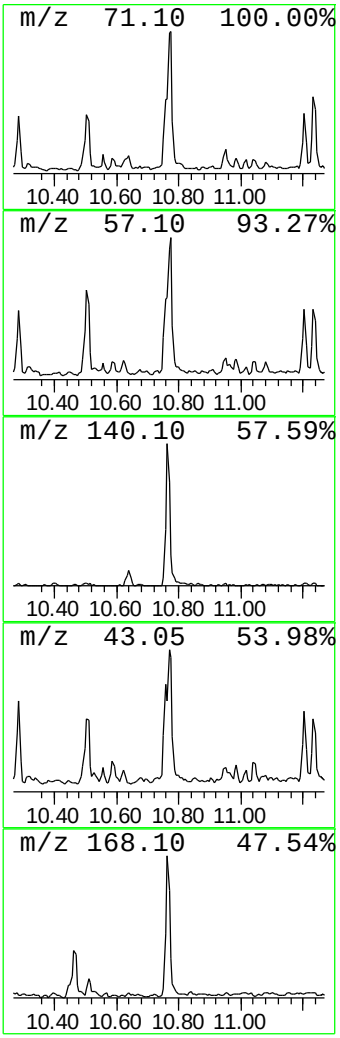
****

Peak Number 4 unknown10.77 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	23.50 ng	500755	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	45
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	38
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	27
4	Tridecane	184	C13H28	000629-50-5	25
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

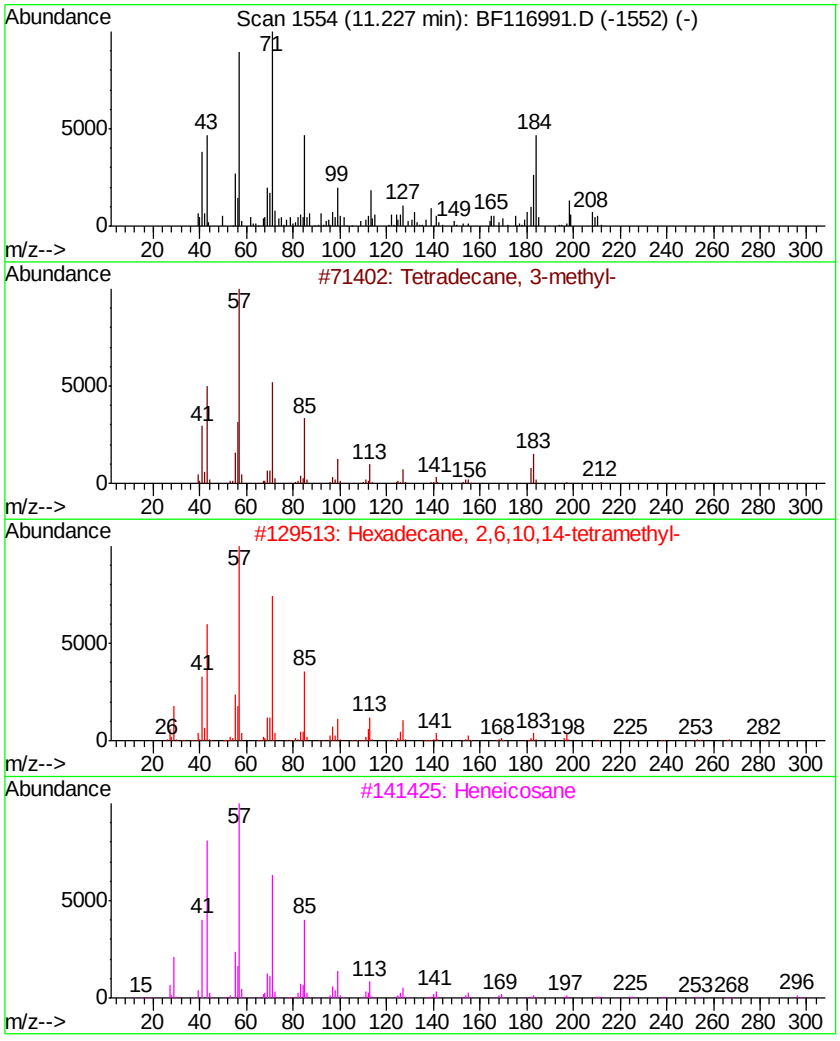
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

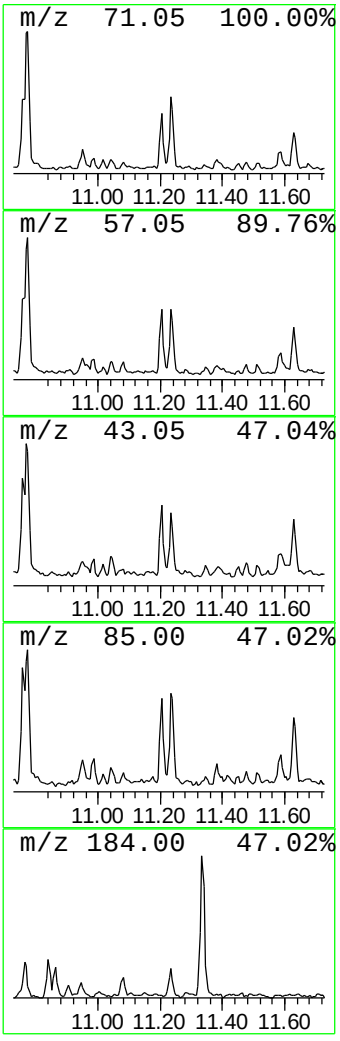
****

Peak Number 5 Tetradecane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	6.35 ng	135377	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	76
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Heneicosane	296	C21H44	000629-94-7	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Heptadecane	240	C17H36	000629-78-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

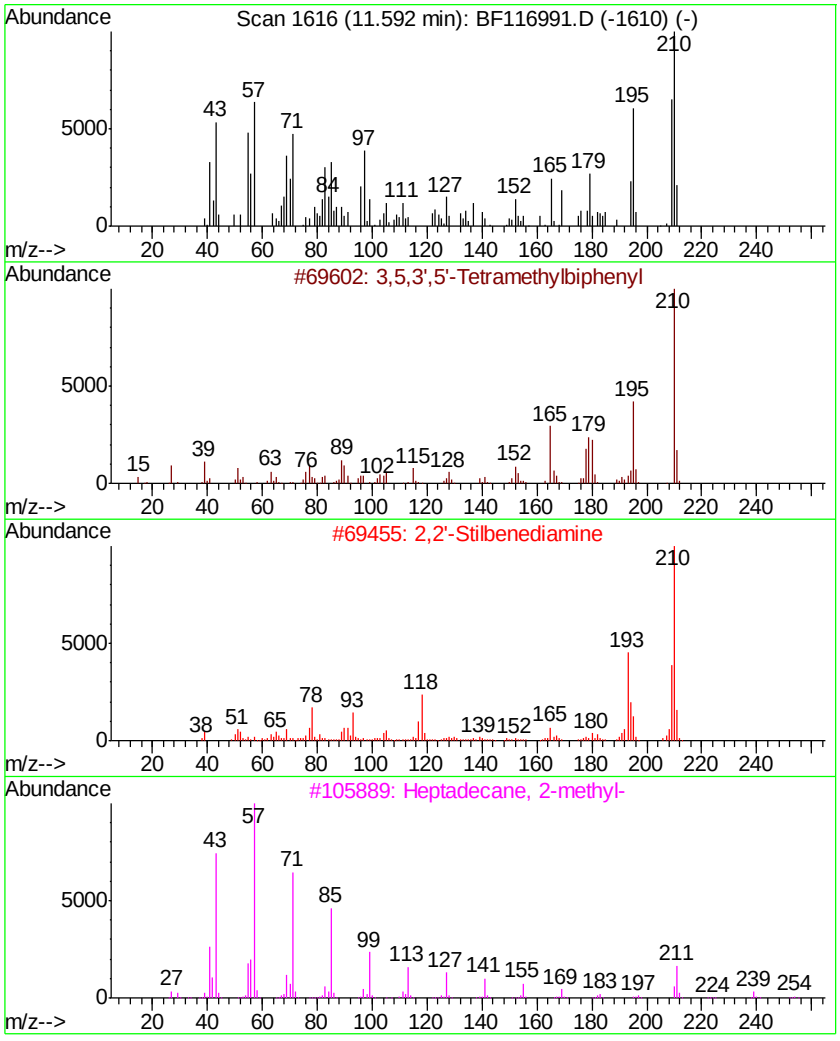
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

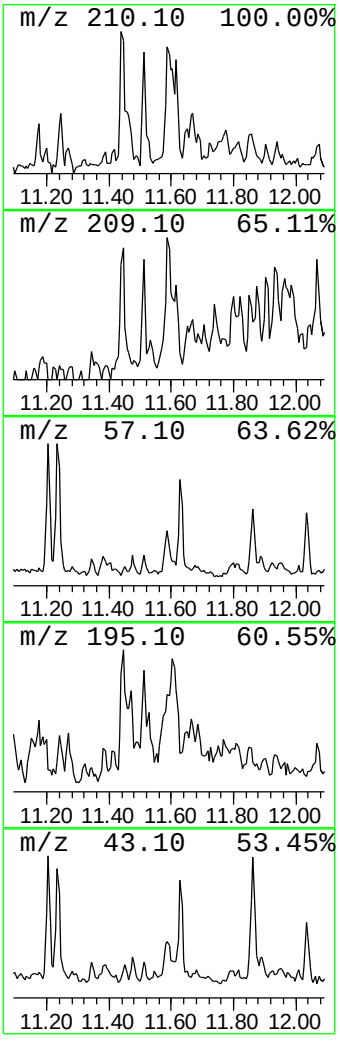
****

Peak Number 6 unknown11.59 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	6.42 ng	136869	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	38
2	2,2'-Stilbenediamine	210	C14H14N2	000617-20-9	30
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	30
4	Tetracontane	563	C40H82	004181-95-7	27
5	Tetracosane	338	C24H50	000646-31-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

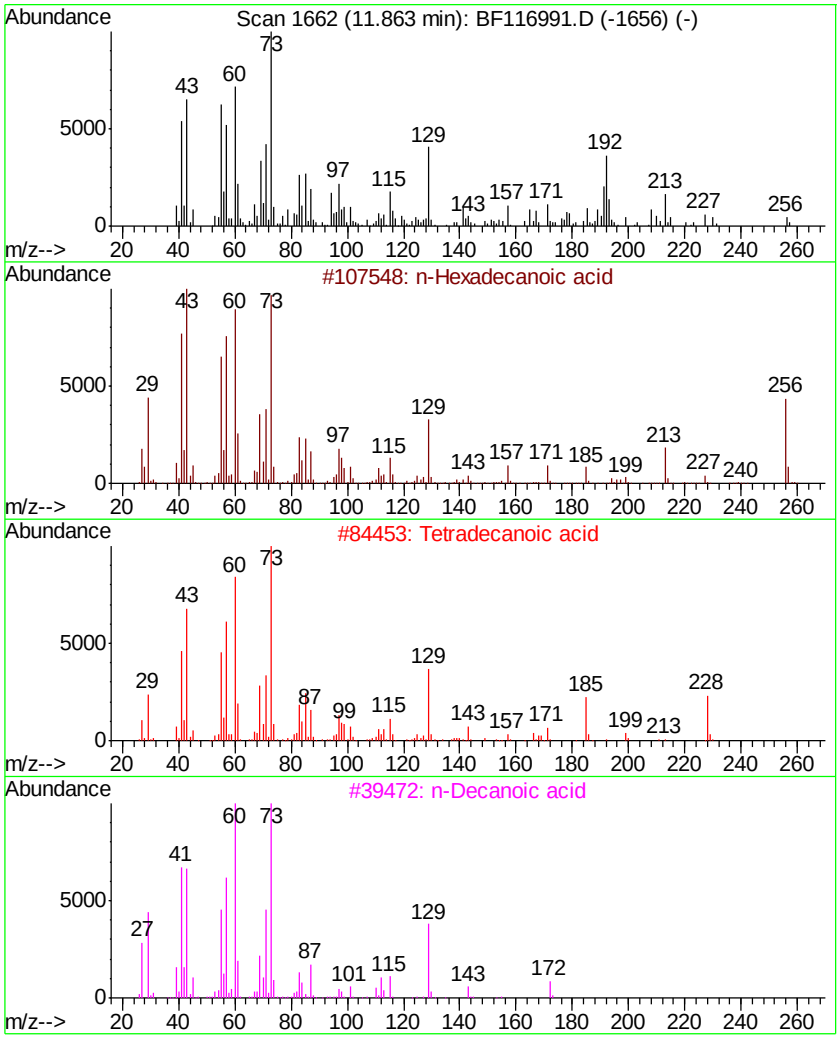
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

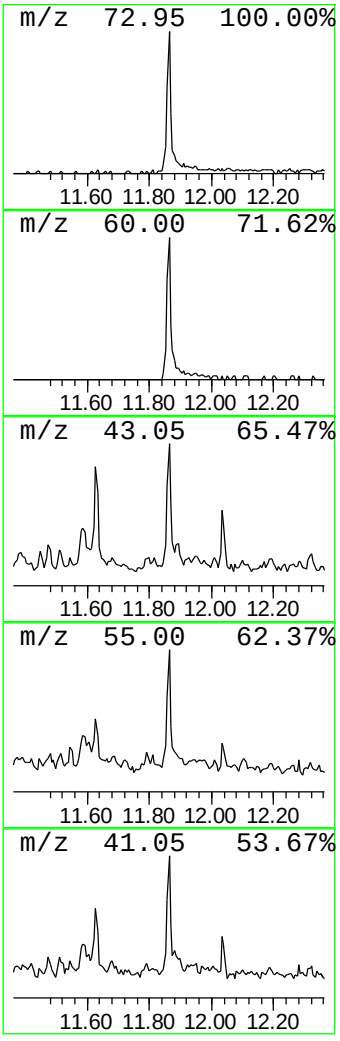
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	13.10 ng	279137	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Tridecanoic acid	214	C13H26O2	000638-53-9	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

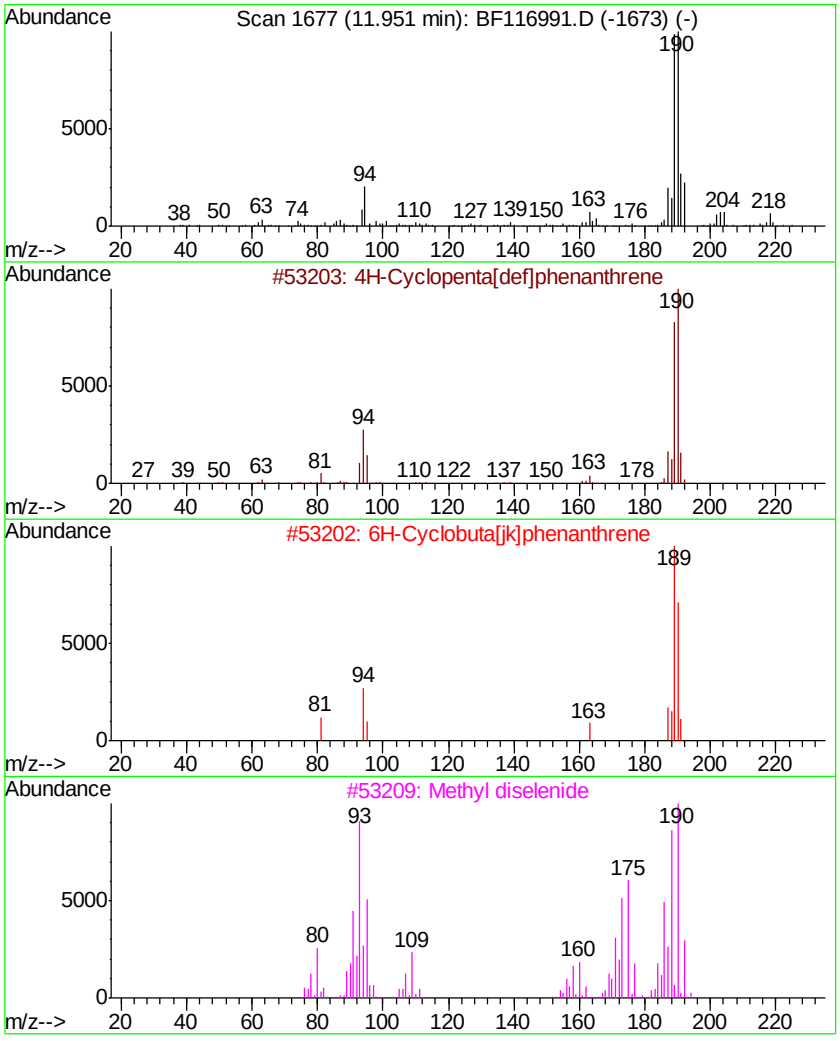
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

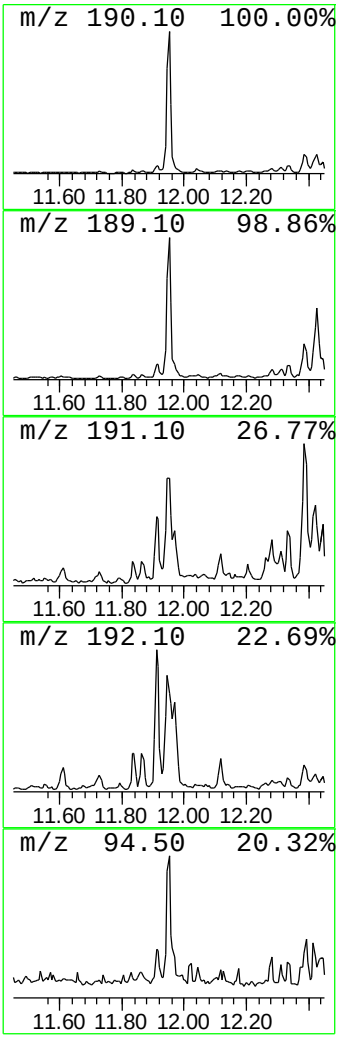
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	25.01 ng	532979	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

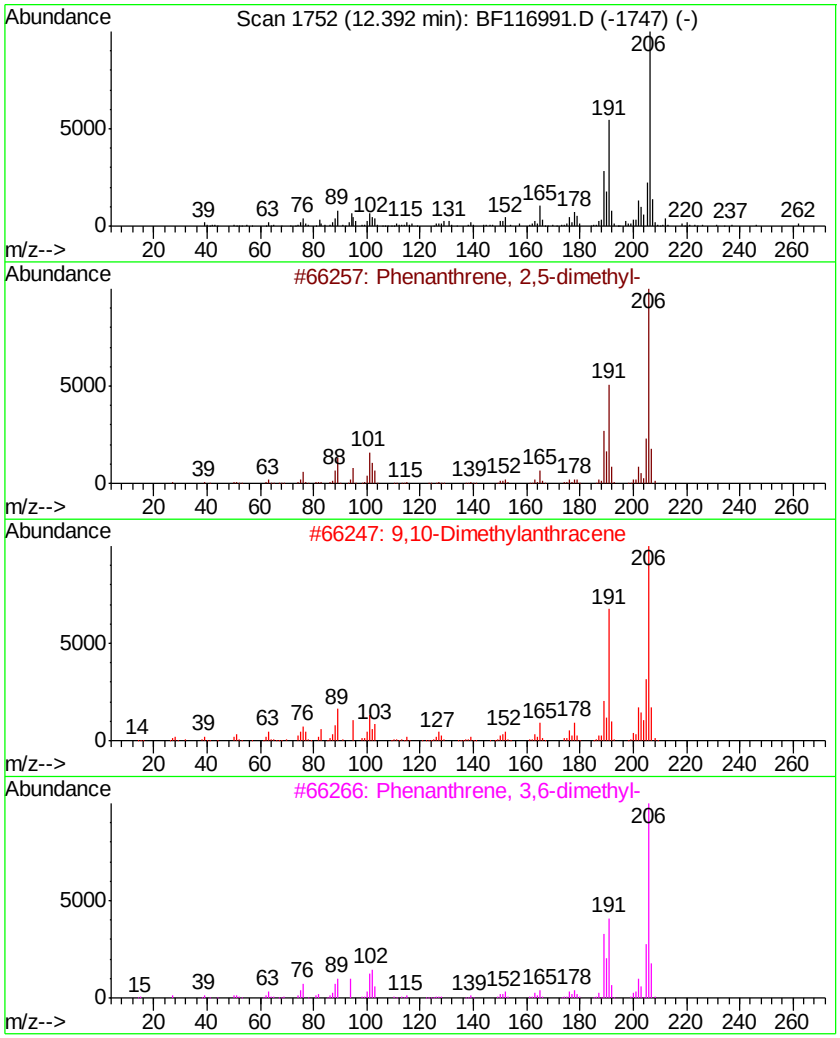
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

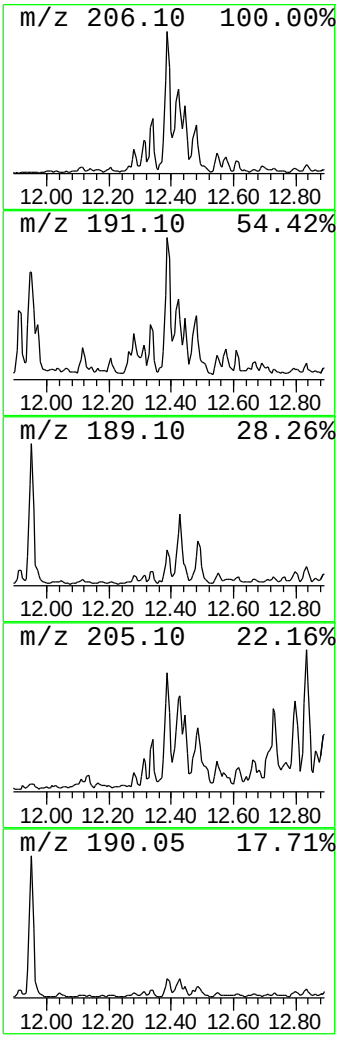
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	15.76 ng	335872	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

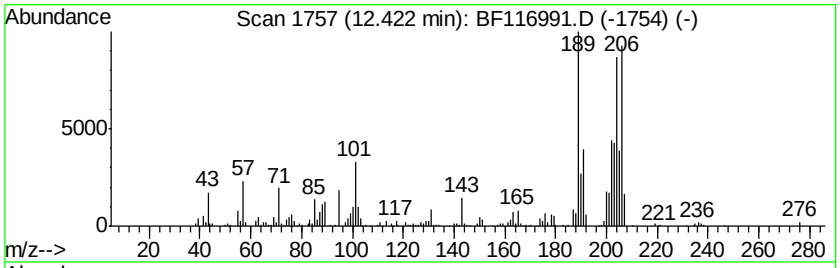
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

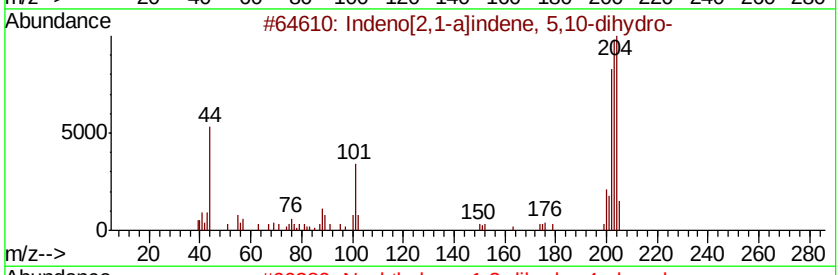
****

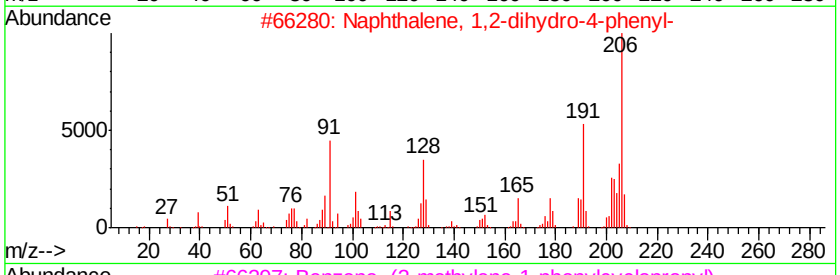
Peak Number 10 unknown12.42 Concentration Rank 6

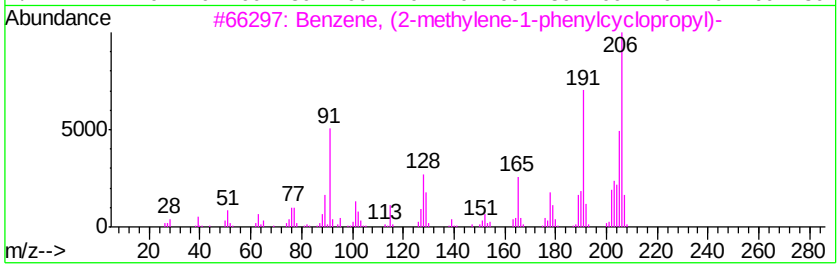
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	16.61 ng	353844	Phenanthrene-d10	11.33

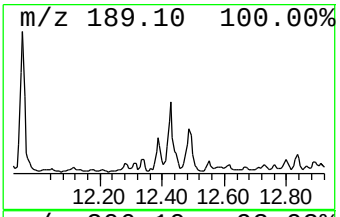
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	42
3	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	42
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	42
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38

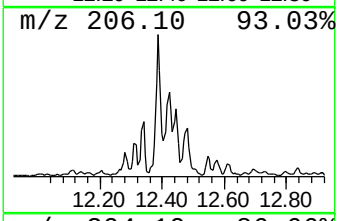


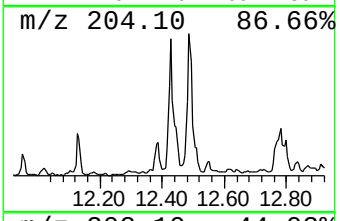


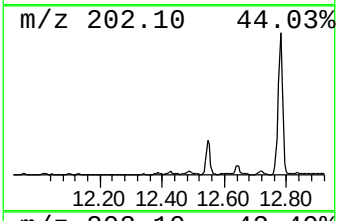


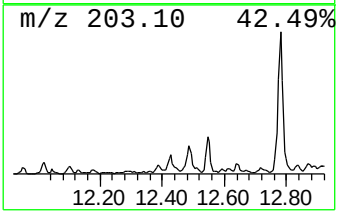












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

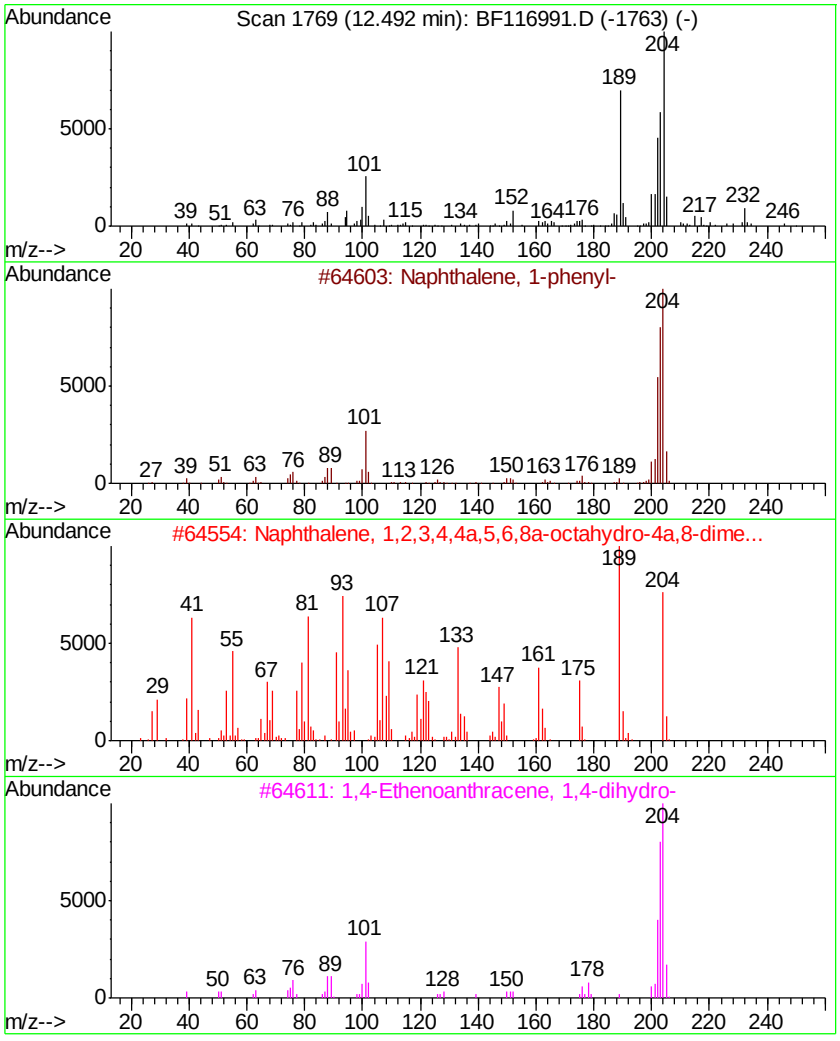
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

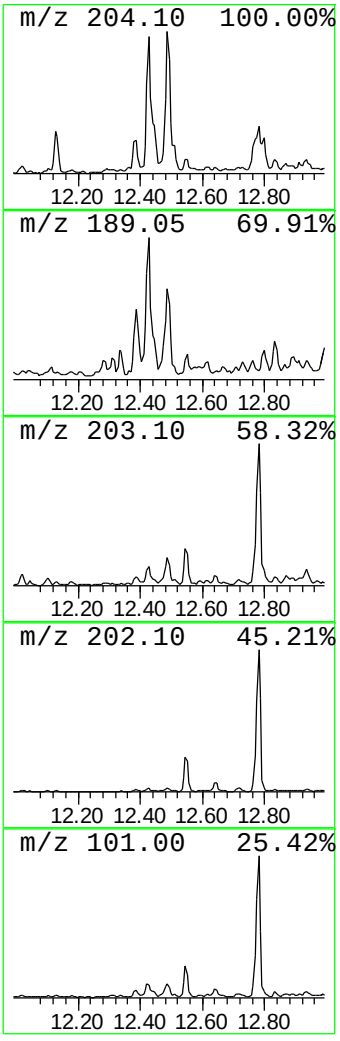
****

Peak Number 11 Naphthalene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	14.51 ng	309144	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
2	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	60
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

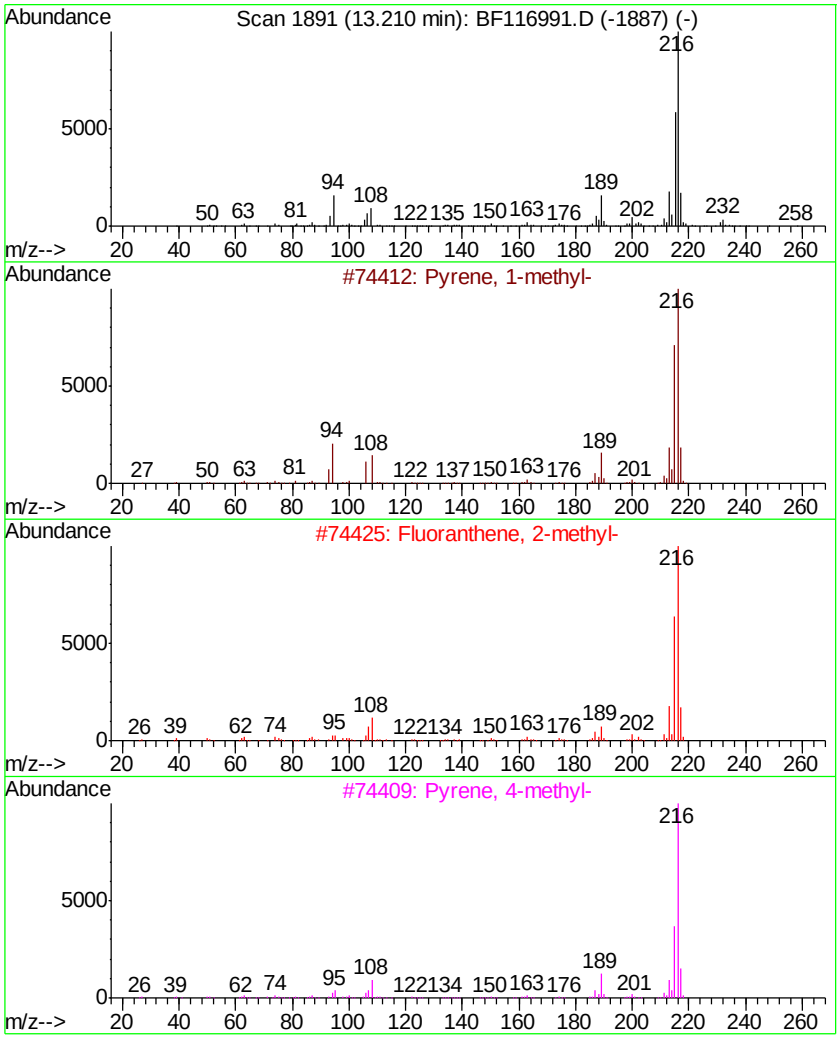
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

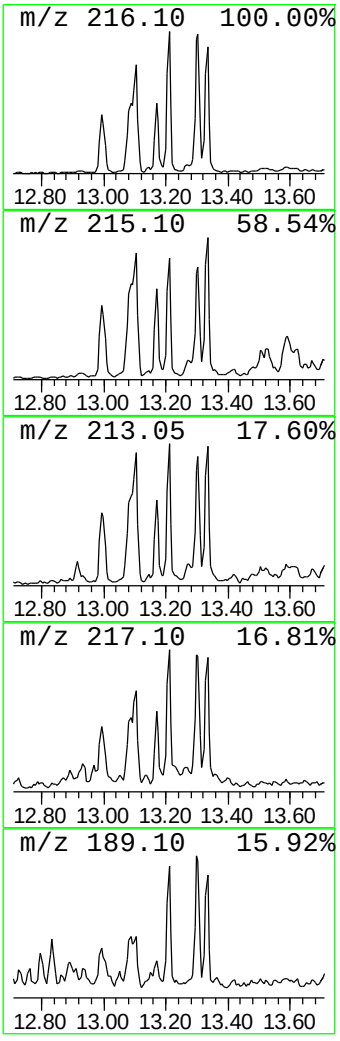
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	7.31 ng	478173	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

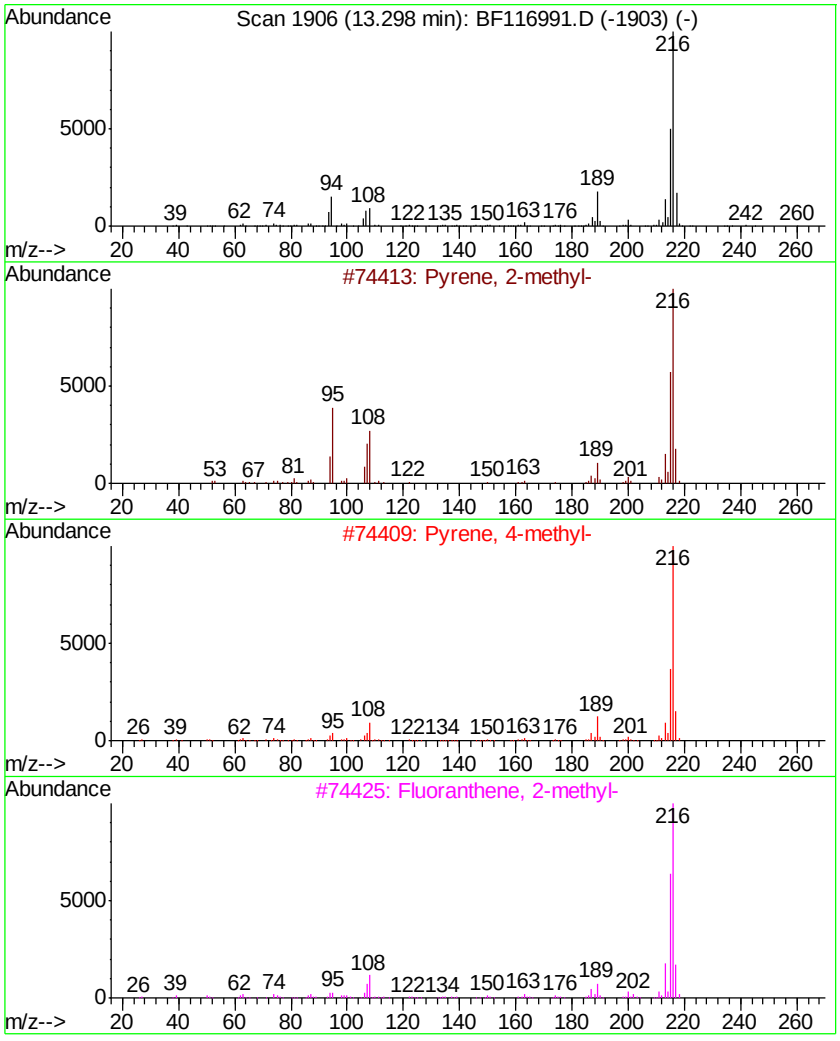
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

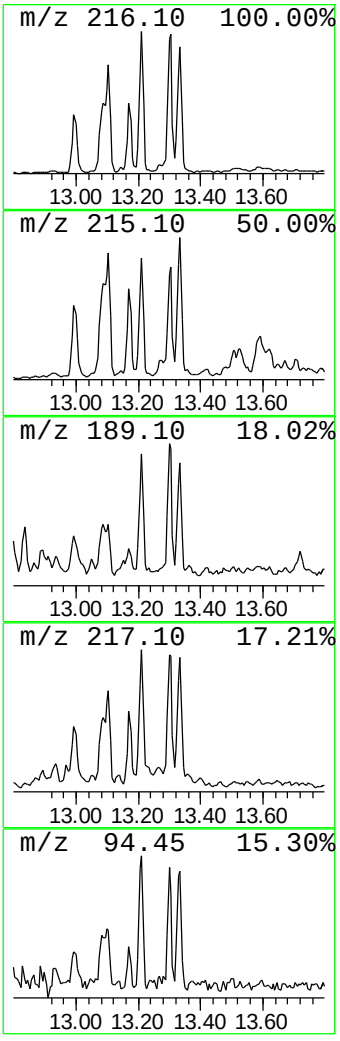
****

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	6.48 ng	423708	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

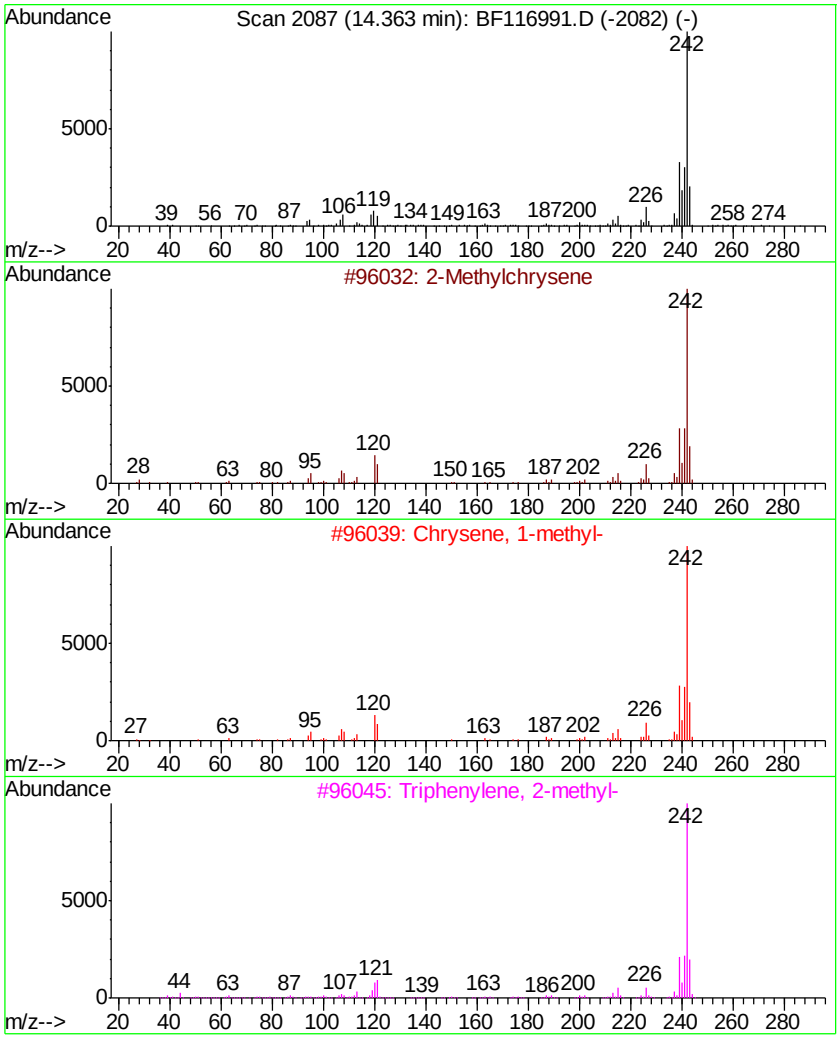
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

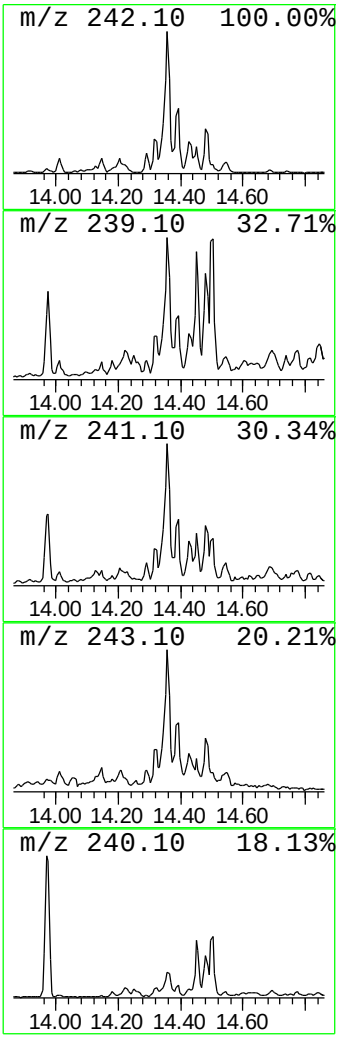
****

Peak Number 15 2-Methylchrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	7.52 ng	491881	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

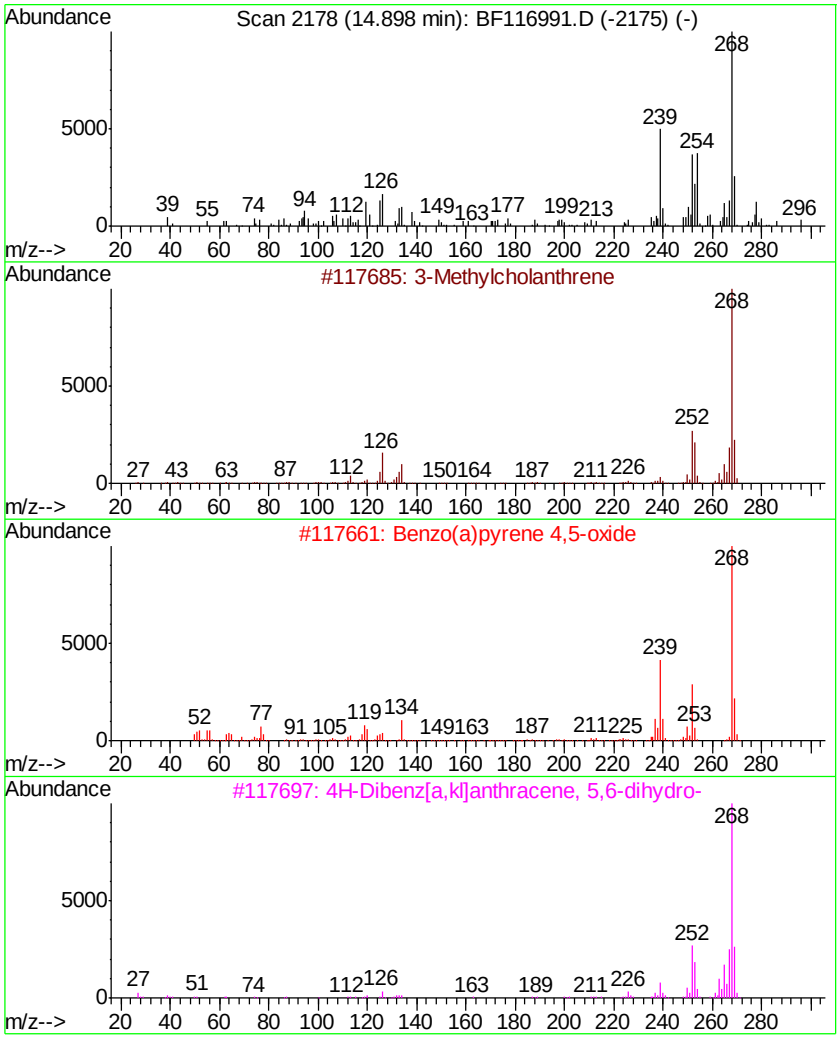
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

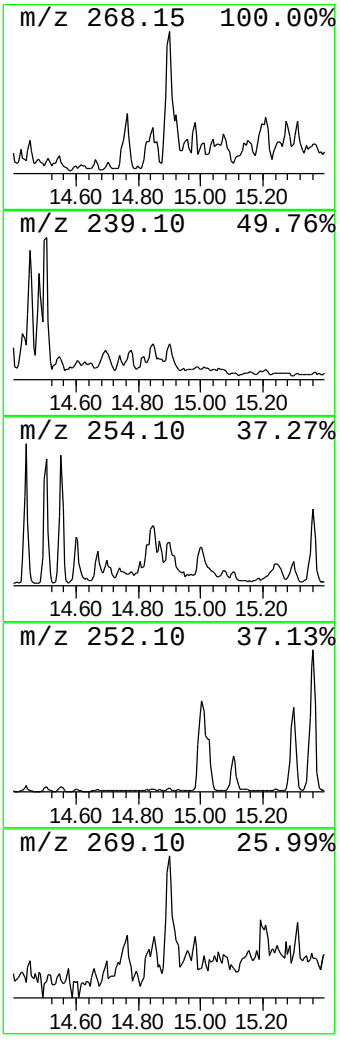
****

Peak Number 16 3-Methylcholanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	8.62 ng	201447	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcholanthrene	268	C21H16	000056-49-5	86
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	58
4	(+)-2-Methylcholanthrene	268	C21H16	1000126-56-1	55
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

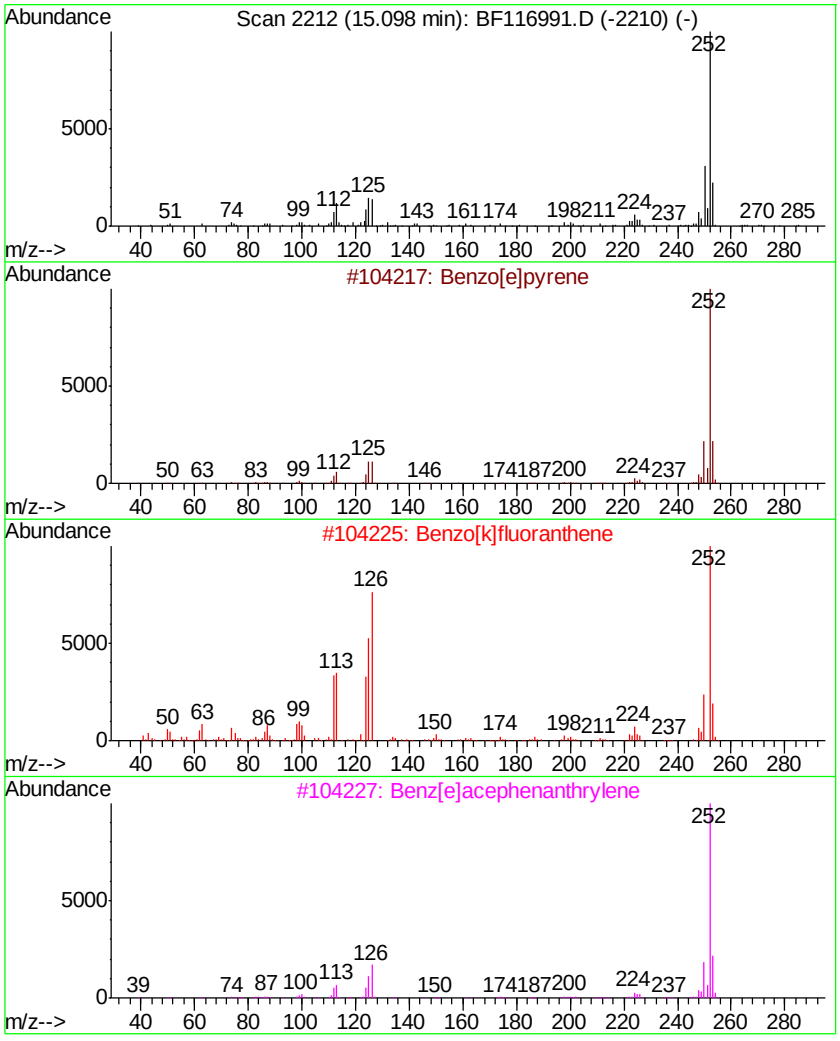
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

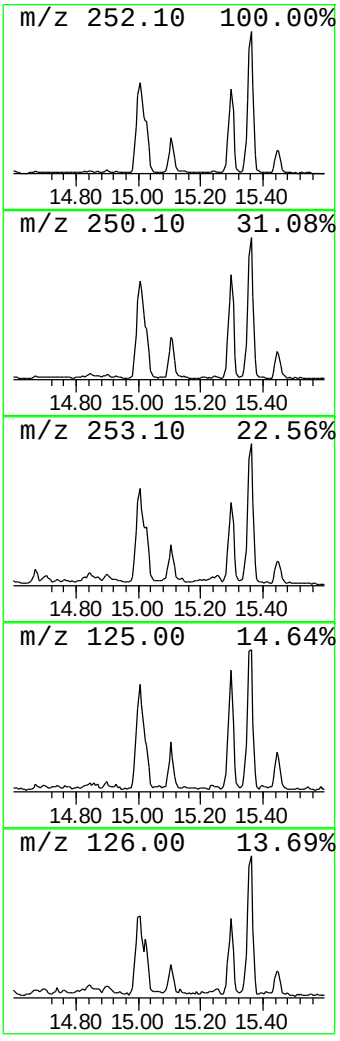
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	8.79 ng	205373	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

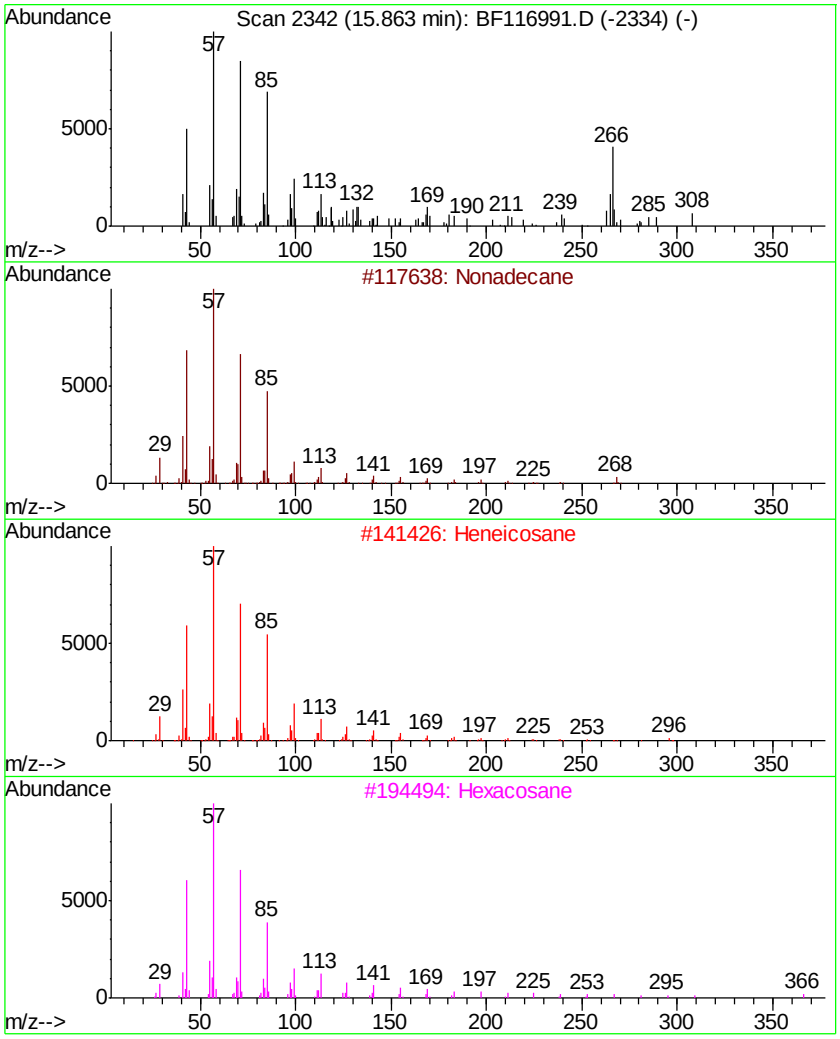
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

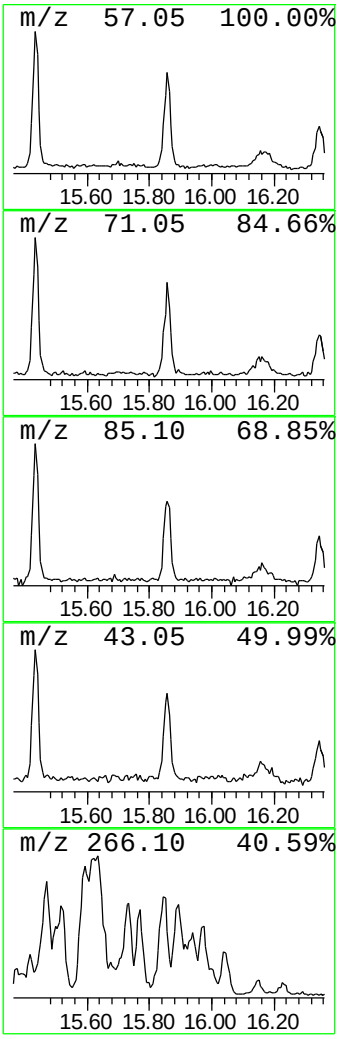
****

Peak Number 19 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	8.09 ng	188993	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	84
2	Heneicosane	296	C21H44	000629-94-7	46
3	Hexacosane	366	C26H54	000630-01-3	41
4	Octacosane	394	C28H58	000630-02-4	41
5	Tetracosane	338	C24H50	000646-31-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

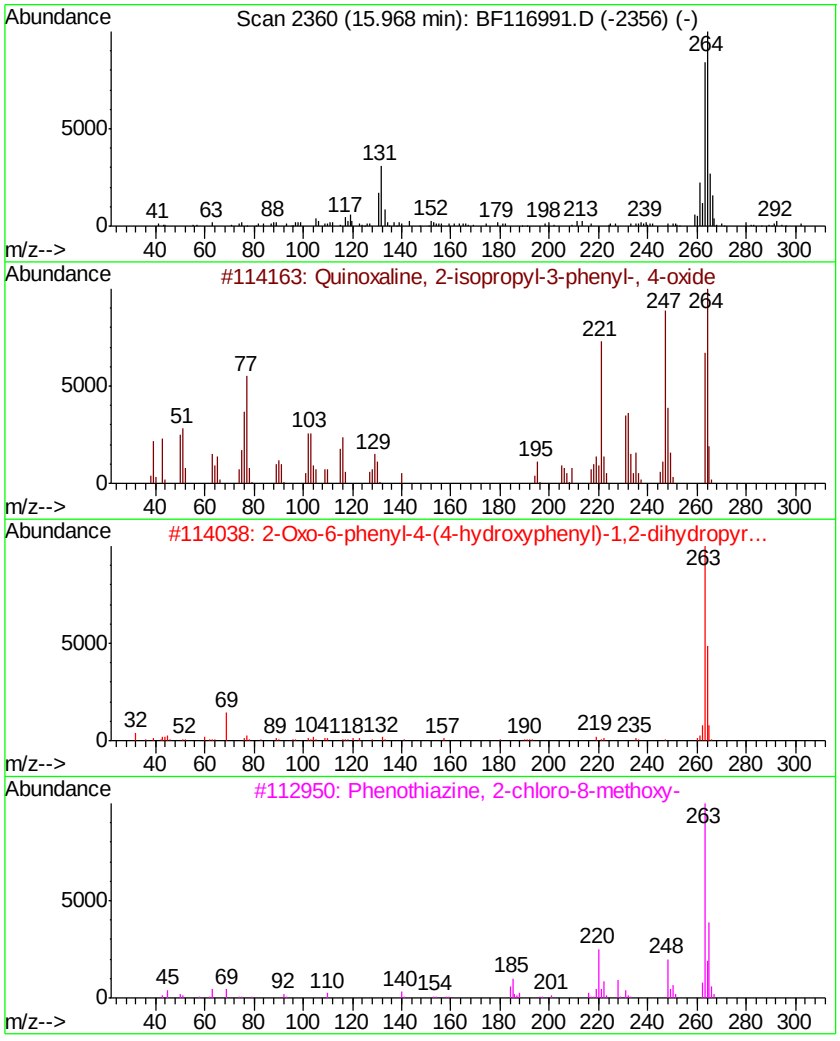
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

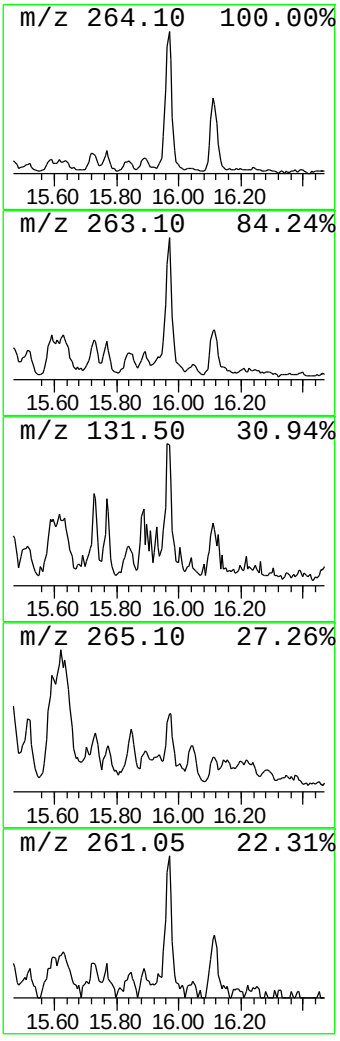
****

Peak Number 20 unknown15.97 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	6.57 ng	153497	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	42
2	2-Oxo-6-phenyl-4-(4-hydroxyphenyl...	264	C16H12N2O2	161200-20-0	37
3	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8	35
4	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	33
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091219\
Data File : BF116991.D
Acq On : 12 Sep 2019 14:55
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.59	6.59	72.4	ng	1285160	1	6.82	355155	20.0
unknown10.51	10.51	9.0	ng	222338	3	9.85	493968	20.0
unknown10.77	10.77	23.5	ng	500755	4	11.33	426188	20.0
Tetradecane, 3-me...	11.23	6.3	ng	135377	4	11.33	426188	20.0
unknown11.59	11.59	6.4	ng	136869	4	11.33	426188	20.0
n-Hexadecanoic acid	11.86	13.1	ng	279137	4	11.33	426188	20.0
4H-Cyclopenta[def...	11.95	25.0	ng	532979	4	11.33	426188	20.0
Phenanthrene, 2,5...	12.39	15.8	ng	335872	4	11.33	426188	20.0
unknown12.42	12.42	16.6	ng	353844	4	11.33	426188	20.0
Naphthalene, 1-ph...	12.49	14.5	ng	309144	4	11.33	426188	20.0
Pyrene, 1-methyl-	13.21	7.3	ng	478173	5	13.97	1308010	20.0
Pyrene, 2-methyl-	13.30	6.5	ng	423708	5	13.97	1308010	20.0
2-Methylchrysene	14.36	7.5	ng	491881	5	13.97	1308010	20.0
3-Methylcholanthrene	14.90	8.6	ng	201447	6	15.42	467480	20.0
Benzo[e]pyrene	15.10	8.8	ng	205373	6	15.42	467480	20.0
Nonadecane	15.86	8.1	ng	188993	6	15.42	467480	20.0
unknown15.97	15.97	6.6	ng	153497	6	15.42	467480	20.0