LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

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_P\METHODS\8270-BP112719.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	5.628	593	602	616	rBV	241539	390097	11.82%	1.027%
2	6.222	696	703	715	rBV	1420778	1838633	55.70%	4.840%
3	7.764	958	965	973	rBV	1526942	1983756	60.10%	5.222%
4	7.946	990	996	1009	rVB	1563943	1993695	60.40%	5.248%
5	8.305	1052	1057	1063	rBV	438690	518751	15.72%	1.365%
6	8.552	1093	1099	1103	rBV	1318041	1545922	46.83%	4.069%
7	8.593	1103	1106	1115	rVB	68328	76894	2.33%	0.202%
8	8.711	1115	1126	1132	rBV	104428	125811	3.81%	0.331%
9	9.193	1199	1208	1211	rBV	981331	1283500	38.88%	3.378%
10	10.340	1394	1403	1406	rBV	518793	638308	19.34%	1.680%
11	10.375	1406	1409	1418	rVV	728910	821616	24.89%	2.163%
12	10.452	1418	1422	1427	rVB	27631	34618	1.05%	0.091%
13	10.910	1496	1500	1506	rBV	41817	49606	1.50%	0.131%
14	11.505	1594	1601	1606	rBV	721873	853656	25.86%	2.247%
15	11.593	1609	1616	1621	rVV2	67418	92588	2.80%	0.244%
16	11.663	1621	1628	1640	rVB	350485	413767	12.54%	1.089%
17	12.122	1698	1706	1710	rBV	2000183	2268856	68.73%	5.972%
18	12.275	1727	1732	1737	rBV	214470	233820	7.08%	0.615%
19	12.428	1753	1758	1767	rVB	72216	100410	3.04%	0.264%
20	12.528	1767	1775	1783	rBV2	66382	142832	4.33%	0.376%
21	12.657	1789	1797	1801	rBV	102610	150953	4.57%	0.397%
22	12.699	1801	1804	1808	rVB	61361	67737	2.05%	0.178%
23	12.787	1815	1819	1823	rBV	70450	82131	2.49%	0.216%
24	12.846	1825	1829	1832	rVB	30900	33371	1.01%	0.088%
25	12.969	1843	1850	1856	rBV3	28214	49442	1.50%	0.130%
26	13.204	1883	1890	1894	rBV	608929	744807	22.56%	1.961%
27	13.257	1894	1899	1903	rVV	1278559	1476381	44.73%	3.886%
28	13.310	1903	1908	1916	rVB2	38664	72009	2.18%	0.190%
29	13.469	1929	1935	1940	rVB	46531	59936	1.82%	0.158%
30	13.540	1941	1947	1955	rVV	669716	830421	25.16%	2.186%
31	14.104	2034	2043	2050	rBV	891670	1039667	31.50%	2.737%
32	14.193	2054	2058	2059	rVV	27594	33851	1.03%	0.089%
33	14.210	2059	2061	2064	rVV	38199	45377	1.37%	0.119%
34	14.246	2064	2067	2071	rVB	88899	99593	3.02%	0.262%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

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_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.322	2077	2080	2084	rVB	45925	48544	1.47%	0.128%
36	14.375	2084	2089	2094	rVB	88976	113454	3.44%	0.299%
37	14.498	2100	2110	2117	rBV2	1082026	1539910	46.65%	4.053%
38	14.816	2157	2164	2173	rBV3	43693	94287	2.86%	0.248%
39	15.004	2190	2196	2199	rBV	55936	80644	2.44%	0.212%
40	15.046	2199	2203	2209	rVB3	19996	34007	1.03%	0.090%
41	15.134	2214	2218	2223	rVB3	25260	36152	1.10%	0.095%
42	15.393	2257	2262	2266	rBV3	39301	61182	1.85%	0.161%
43	15.440	2266	2270	2274	rVB	182846	214236	6.49%	0.564%
44	15.598	2293	2297	2300	rBV	464154	625683	18.96%	1.647%
45	15.645	2300	2305	2309	rVV	2810856	3300880	100.00%	8.689%
46	15.687	2309	2312	2313	rVV	38138	37759	1.14%	0.099%
47	15.716	2313	2317	2322	rVV	298192	349476	10.59%	0.920%
48	15.763	2322	2325	2329	rVB	64355	67333	2.04%	0.177%
49	15.957	2355	2358	2364	rVB	169594	190199	5.76%	0.501%
50	16.069	2370	2377	2380	rBV3	36606	51333	1.56%	0.135%
51	16.351	2419	2425	2429	rBV	121112	154397	4.68%	0.406%
52	16.392	2429	2432	2437	rVB	160586	182799	5.54%	0.481%
53	16.457	2439	2443	2445	rBV	43736	54687	1.66%	0.144%
54	16.504	2445	2451	2456	rVV2	344572	614608	18.62%	1.618%
55	16.545	2456	2458	2463	rVB	61872	61635	1.87%	0.162%
56	16.787	2495	2499	2505	rBV	102609	133737	4.05%	0.352%
57	17.134	2554	2558	2562	rBV	23366	35247	1.07%	0.093%
58	17.210	2568	2571	2573	rBV2	30967	34228	1.04%	0.090%
59	17.351	2589	2595	2599	rBV	1761144	1880560	56.97%	4.950%
60	17.428	2605	2608	2612	rBV2	30524	38123	1.15%	0.100%
61	17.545	2623	2628	2631	rBV2	46545	63805	1.93%	0.168%
62	17.575	2631	2633	2640	rVV4	36208	40607	1.23%	0.107%
63	17.651	2640	2646	2650	rVV2	1106619	1478457	44.79%	3.892%
64	17.687	2650	2652	2656	rVV2	34711	38567	1.17%	0.102%
65	17.728	2656	2659	2662	rVB2	38620	42529	1.29%	0.112%
66	17.822	2672	2675	2678	rBV	52472	54307	1.65%	0.143%
67	17.881	2678	2685	2689	rVV	1895823	2135358	64.69%	5.621%
68	17.957	2696	2698	2702	rVB2	28258	37963	1.15%	0.100%
69	18.063	2712	2716	2717	rBV	30973	44739	1.36%	0.118%
70	18.104	2720	2723	2727	rVB	140202	152386	4.62%	0.401%
71	18.192	2734	2738	2741	rBV	165493	170841	5.18%	0.450%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

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_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.239	2743	2746	2751	rVV3	64367	106235	3.22%	0.280%
73	18.698	2821	2824	2828	rVB	94876	96402	2.92%	0.254%
74	18.910	2857	2860	2864	rBV	53244	59849	1.81%	0.158%
75	18.951	2864	2867	2869	rBV	42617	49963	1.51%	0.132%
76	19.110	2890	2894	2906	rVB4	280930	524746	15.90%	1.381%
77	19.239	2910	2916	2919	rVV2	586798	889816	26.96%	2.342%
78	19.269	2919	2921	2925	rVB	251311	271576	8.23%	0.715%
79	19.375	2935	2939	2944	rBV	71209	87196	2.64%	0.230%
80	19.528	2962	2965	2971	rVB2	83004	92199	2.79%	0.243%
81	19.922	3029	3032	3039	rVB3	95116	115110	3.49%	0.303%
82	20.292	3092	3095	3098	rBV	45221	51065	1.55%	0.134%
83	20.522	3130	3134	3138	rBV	144307	230463	6.98%	0.607%
84	20.686	3159	3162	3166	rVB	64395	75308	2.28%	0.198%
85	20.869	3189	3193	3200	rVB	59723	88133	2.67%	0.232%
86	20.933	3201	3204	3209	rVB	84238	98341	2.98%	0.259%
87	21.010	3212	3217	3222	rBV	382671	503073	15.24%	1.324%
88	21.616	3318	3320	3326	rVB	38679	57843	1.75%	0.152%
89	21.680	3327	3331	3339	rVB4	48445	105720	3.20%	0.278%

Sum of corrected areas: 37990509

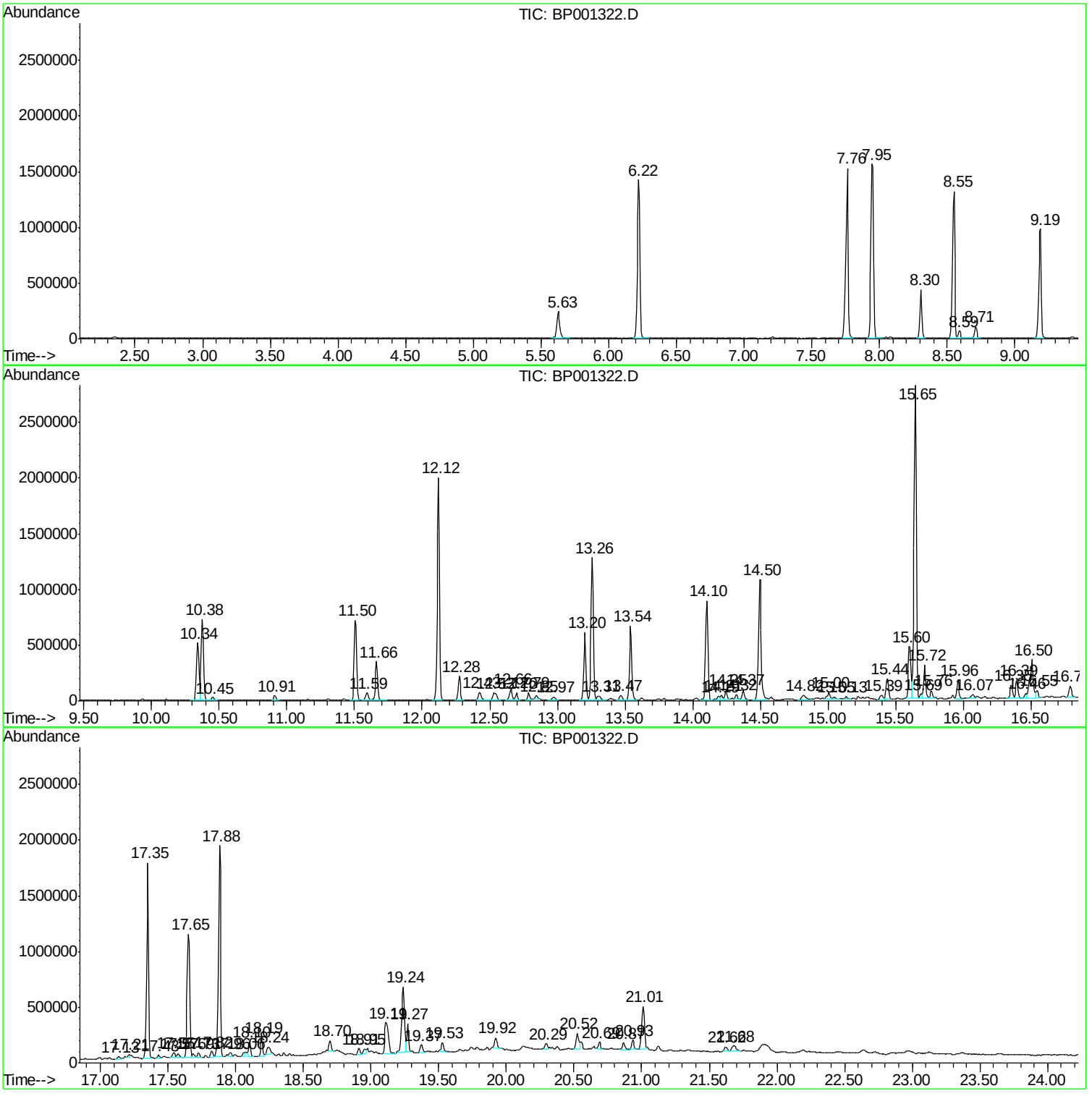
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

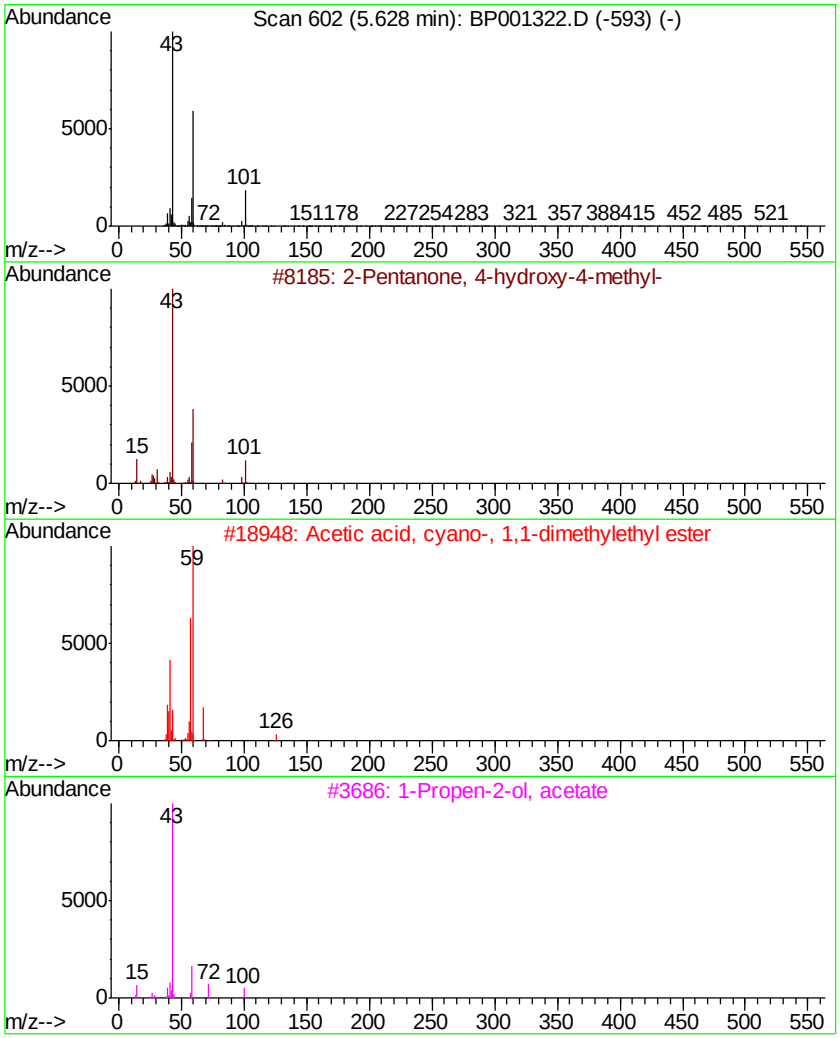
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

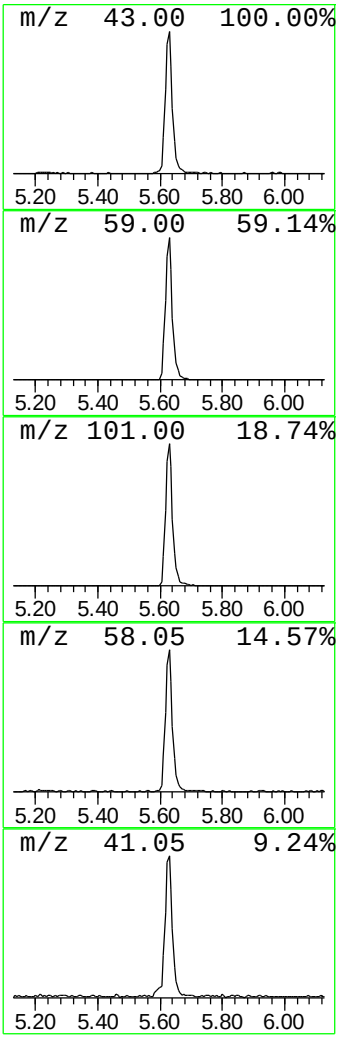
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	15.04 ng	390097	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

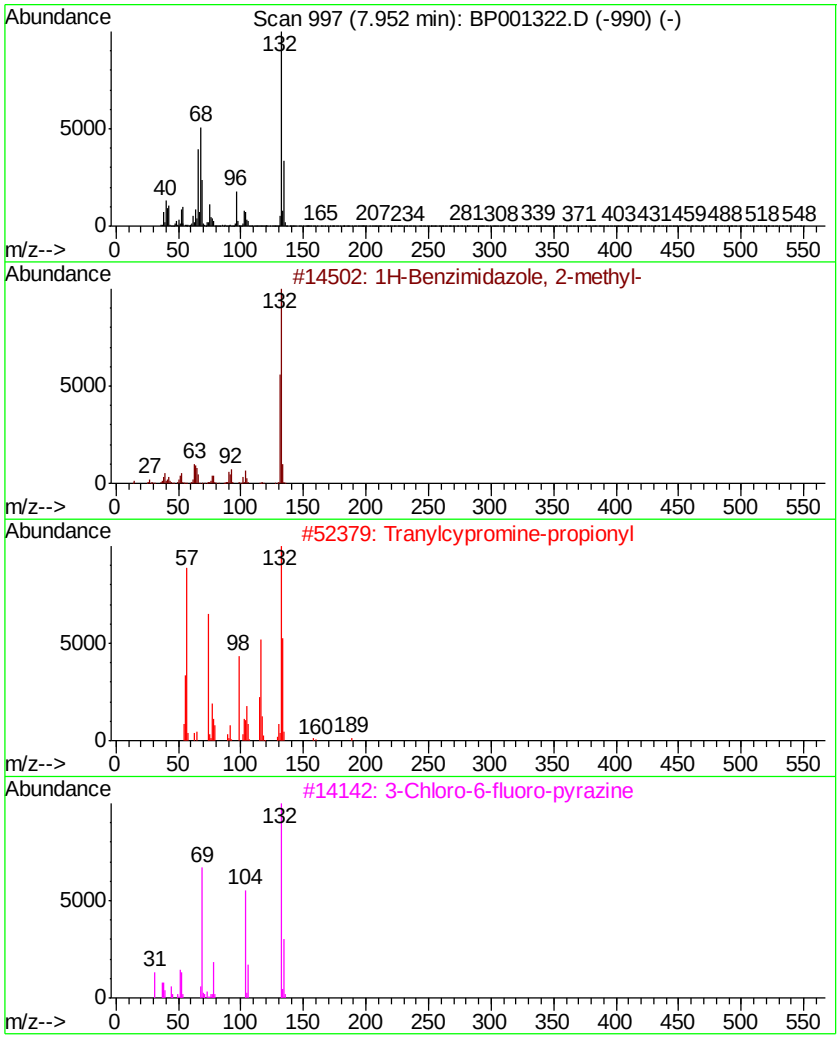
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

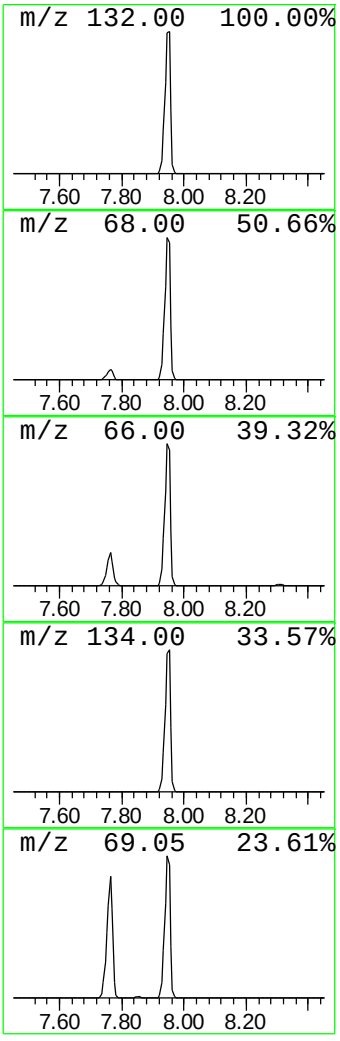
****

Peak Number 2 unknown7.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	76.87 ng	1993700	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

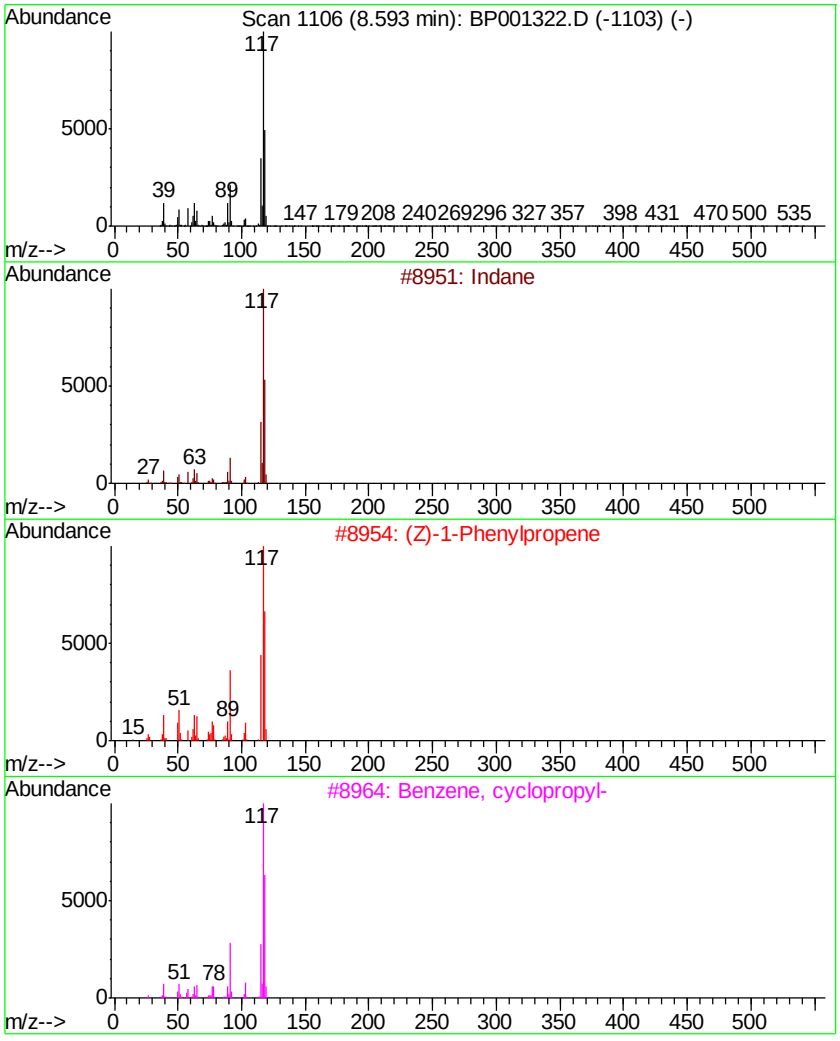
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

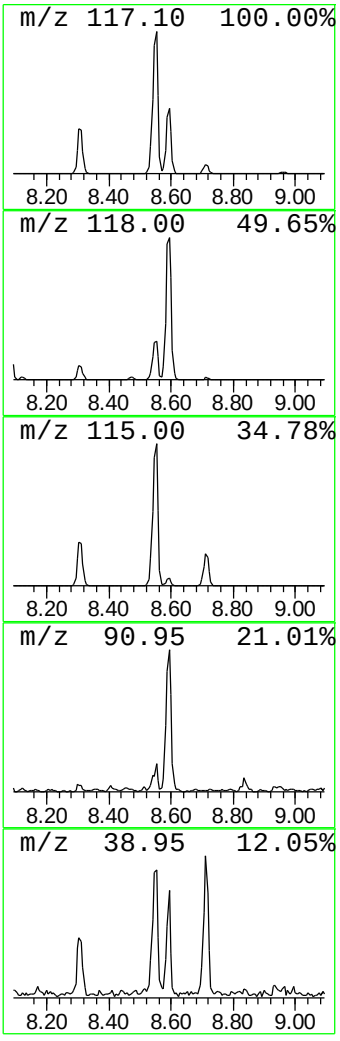
****

Peak Number 4 Indane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	2.96 ng	76894	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

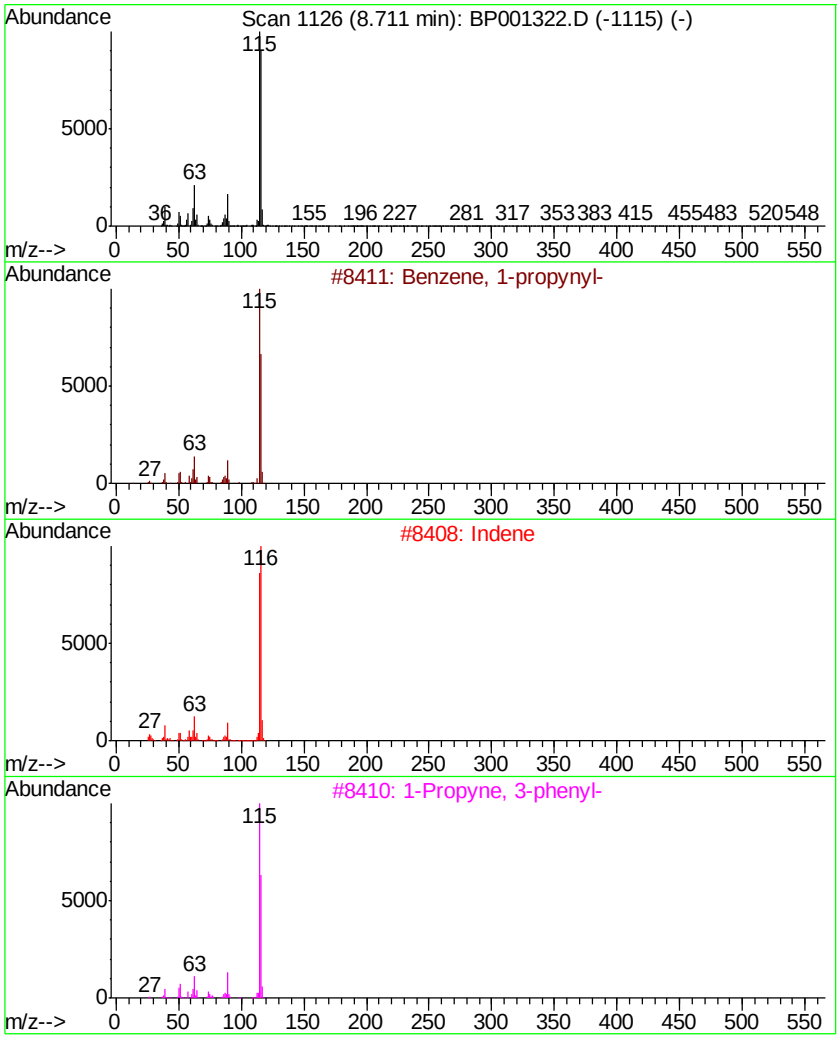
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

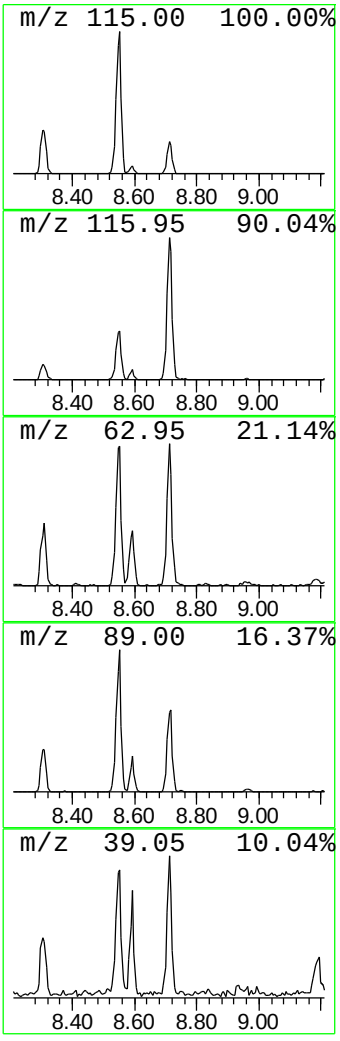
****

Peak Number 5 Benzene, 1-propynyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	4.85 ng	125811	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	94
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

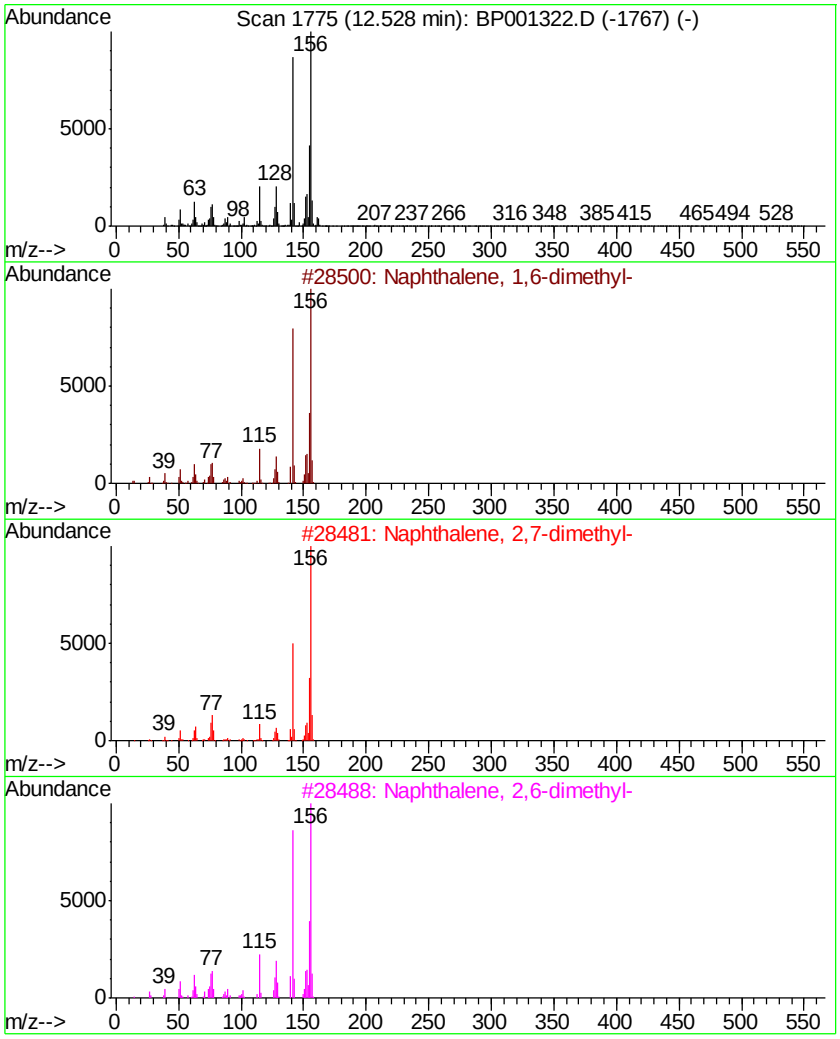
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

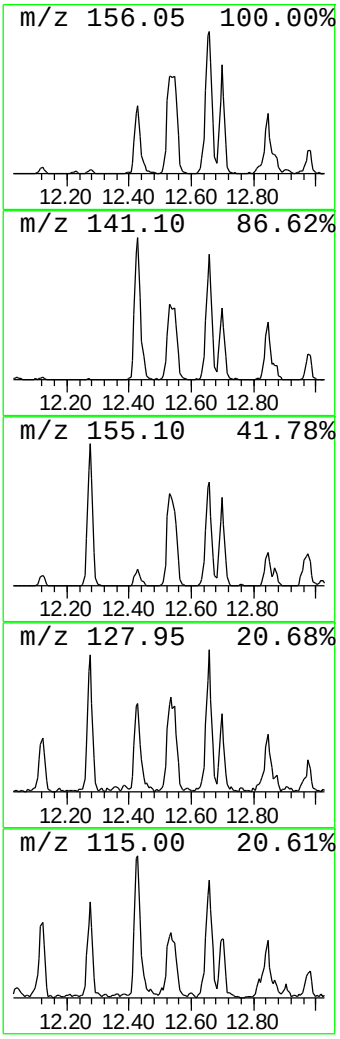
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.84 ng	142832	Acenaphthene-d10	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

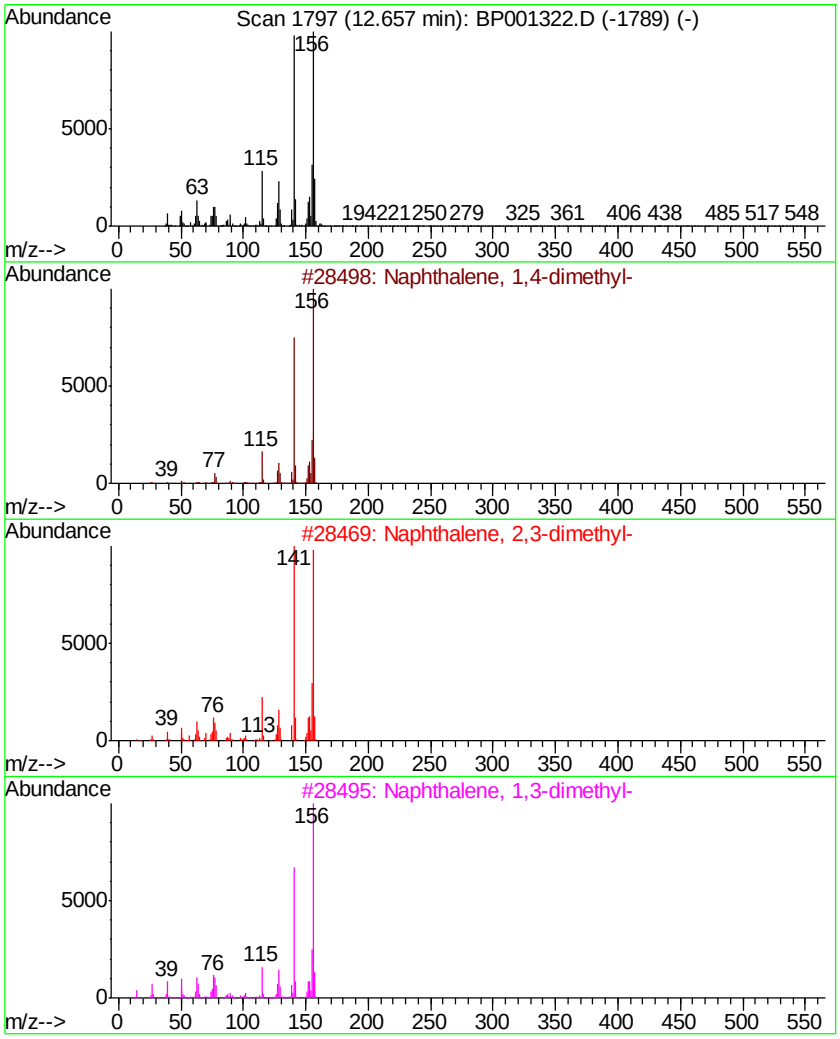
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

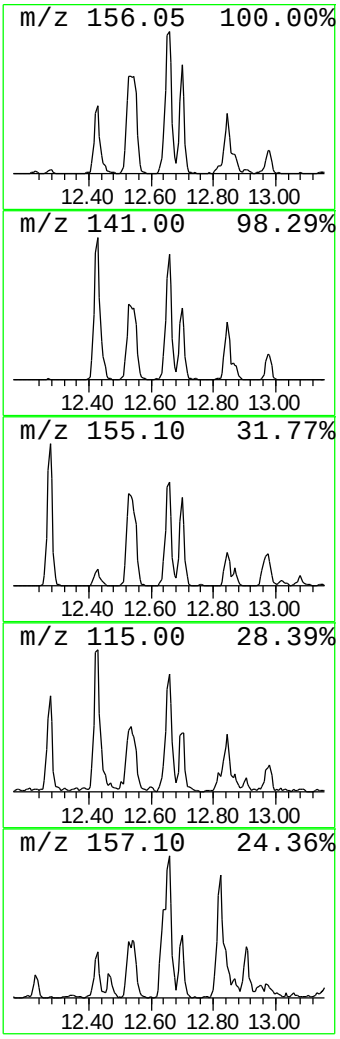
****

Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	4.05 ng	150953	Acenaphthene-d10	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

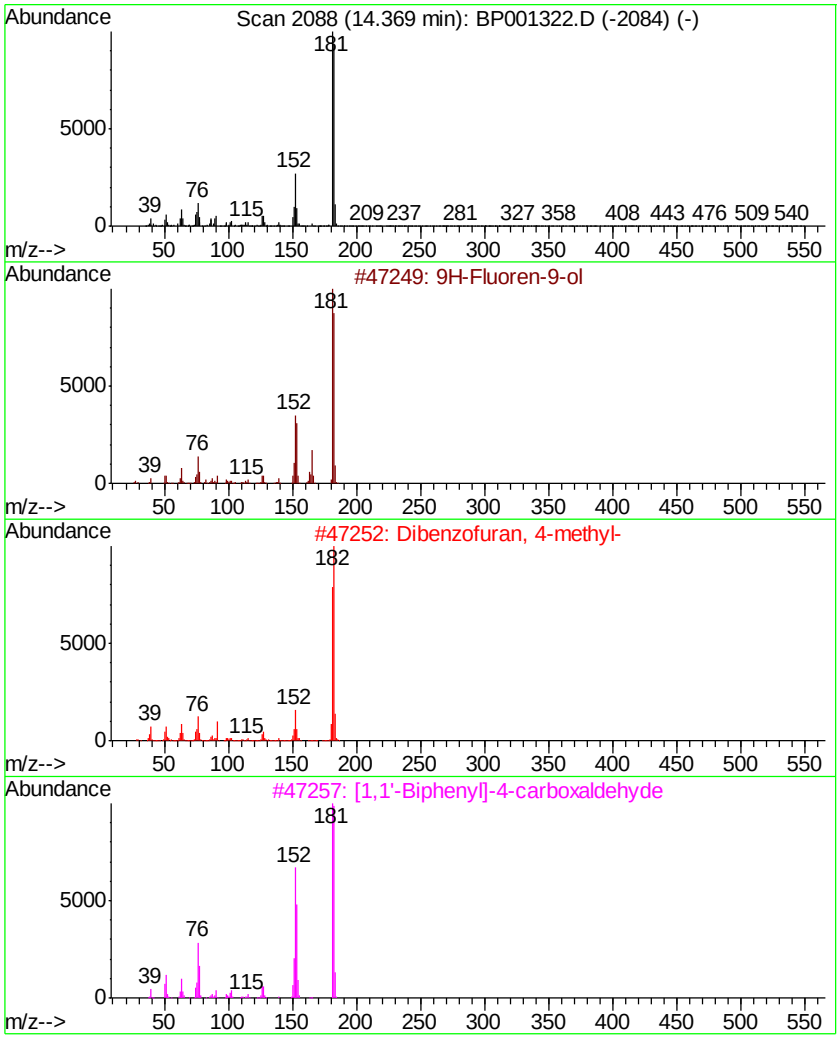
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

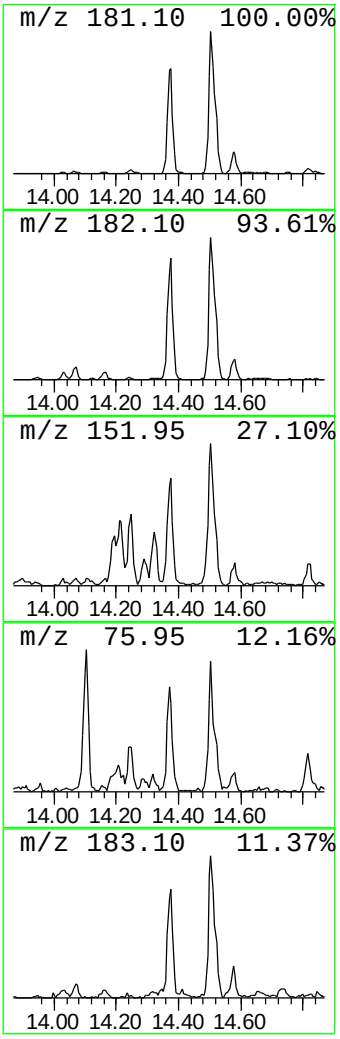
****

Peak Number 8 9H-Fluoren-9-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	3.05 ng	113454	Acenaphthene-d10	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	9H-Xanthene	182	C13H10O	000092-83-1	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

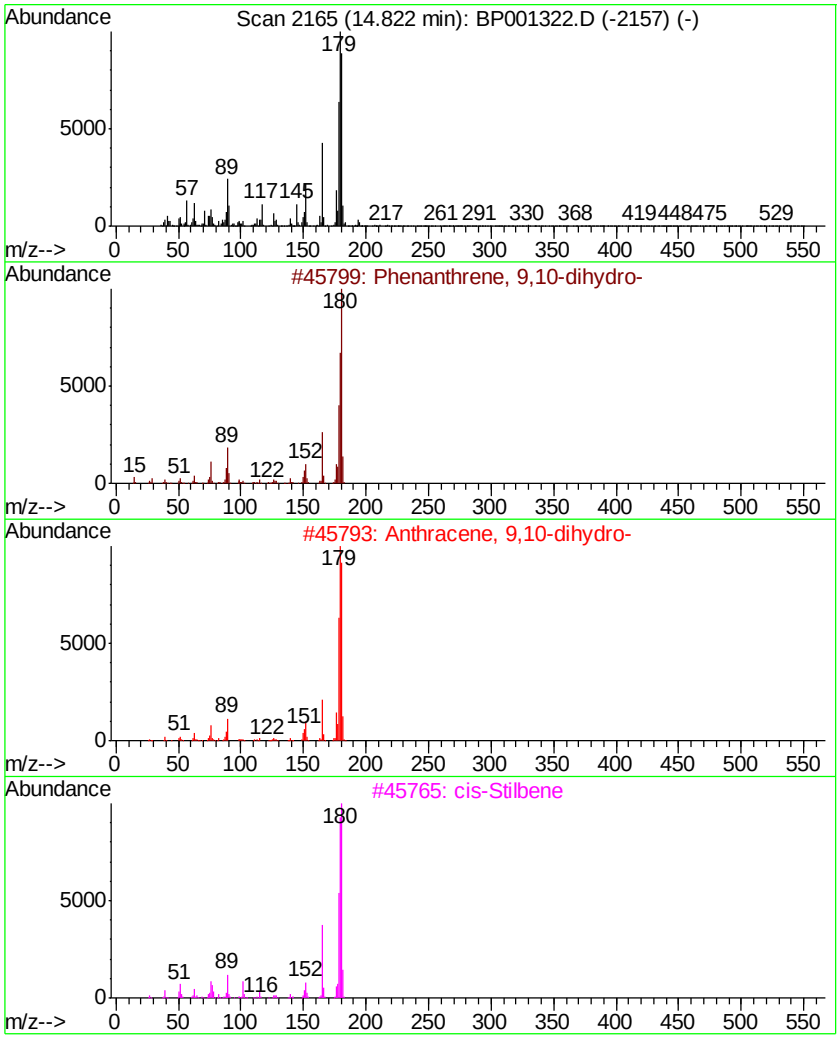
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

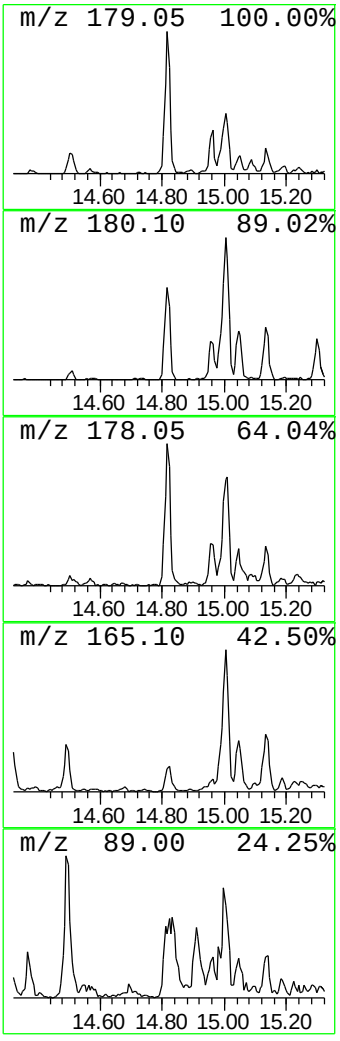
****

Peak Number 9 Phenanthrene, 9,10-dihydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	3.01 ng	94287	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
3	cis-Stilbene	180	C14H12	000645-49-8	81
4	Stilbene	180	C14H12	000588-59-0	81
5	(E)-Stilbene	180	C14H12	000103-30-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

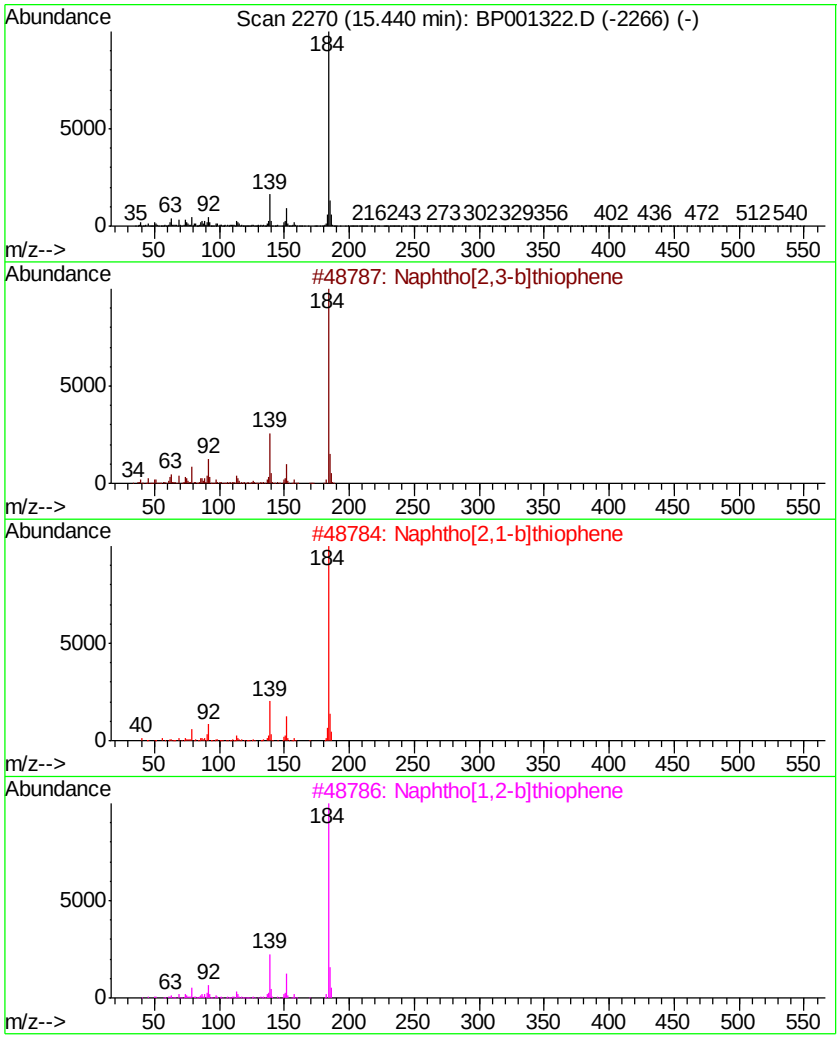
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

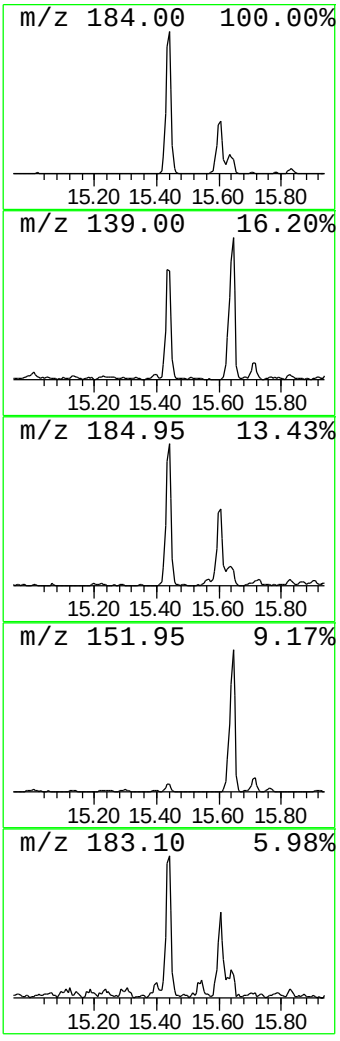
****

Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	6.85 ng	214236	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

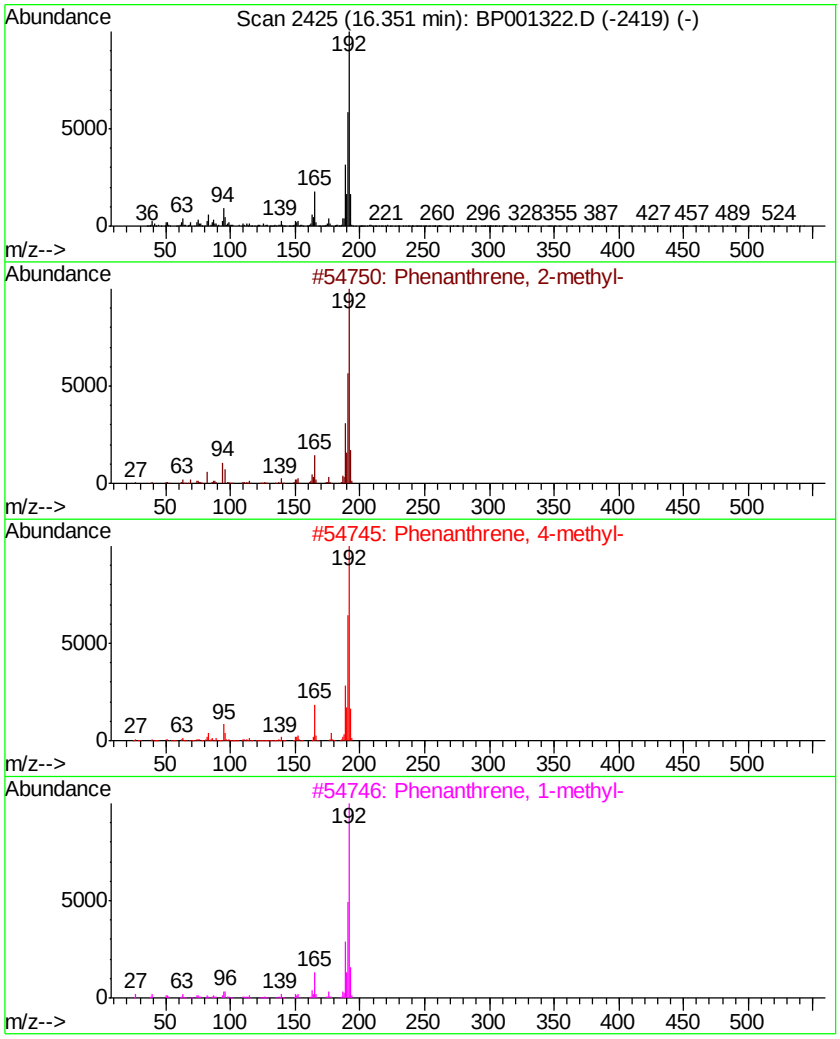
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

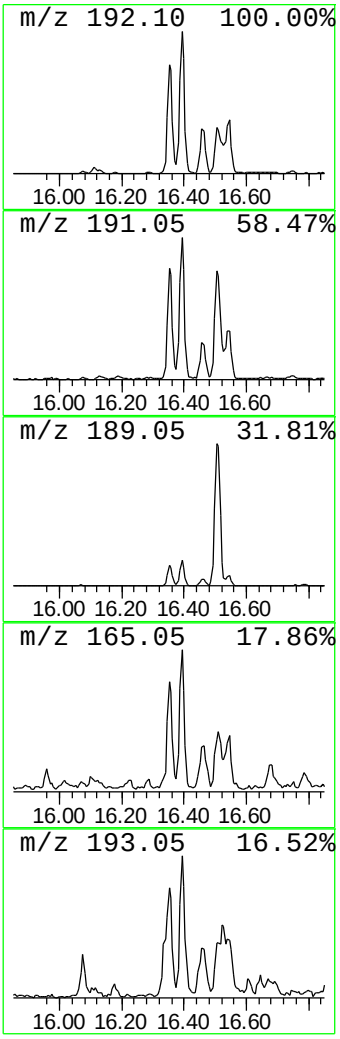
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	4.94 ng	154397	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

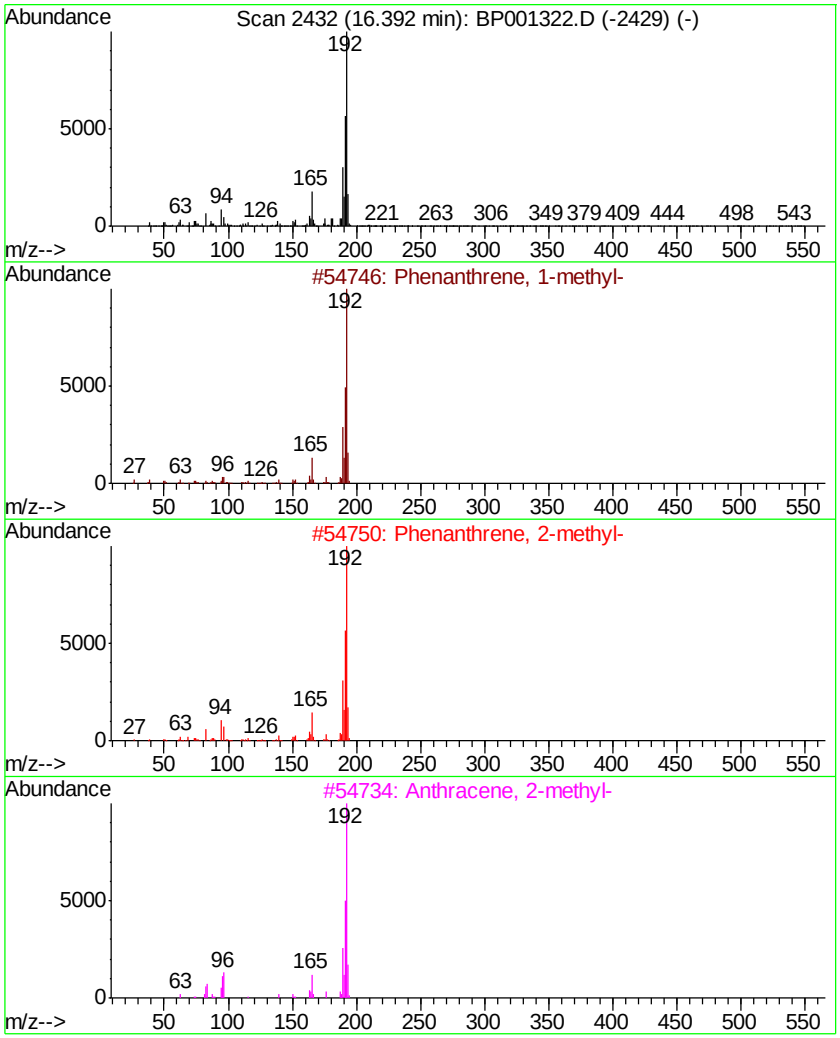
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

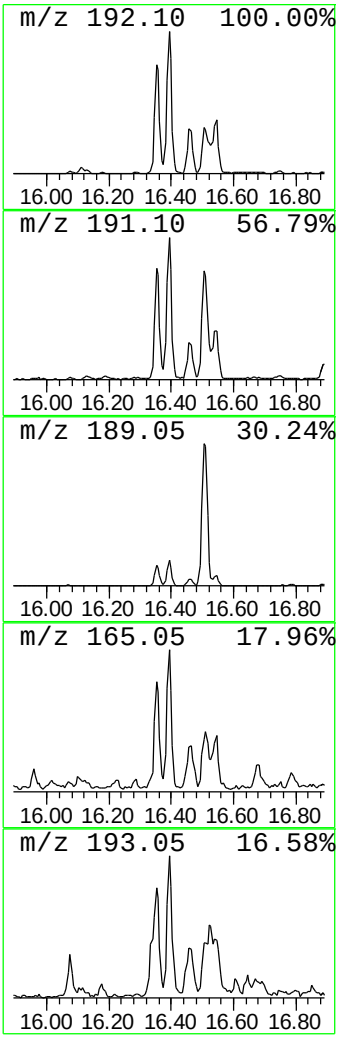
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	5.84 ng	182799	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

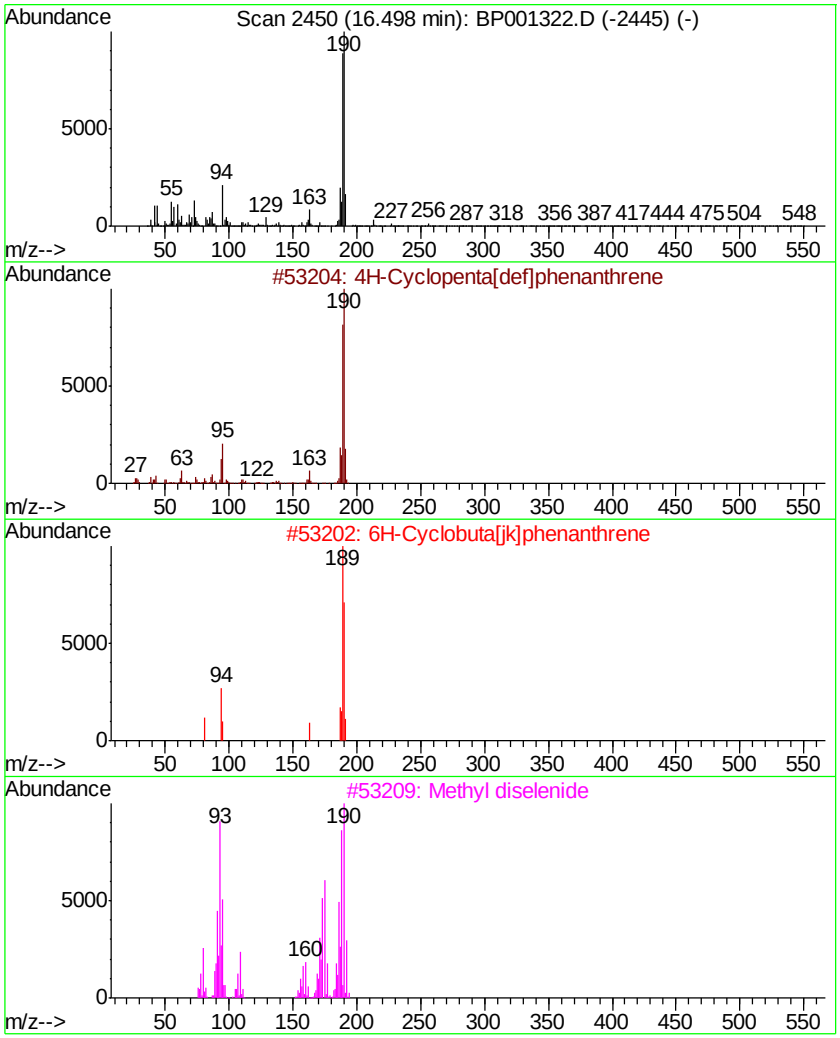
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

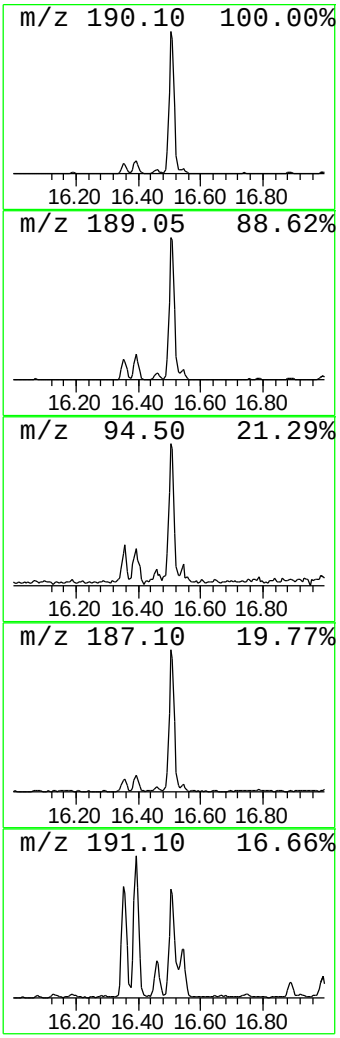
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	19.65 ng	614608	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

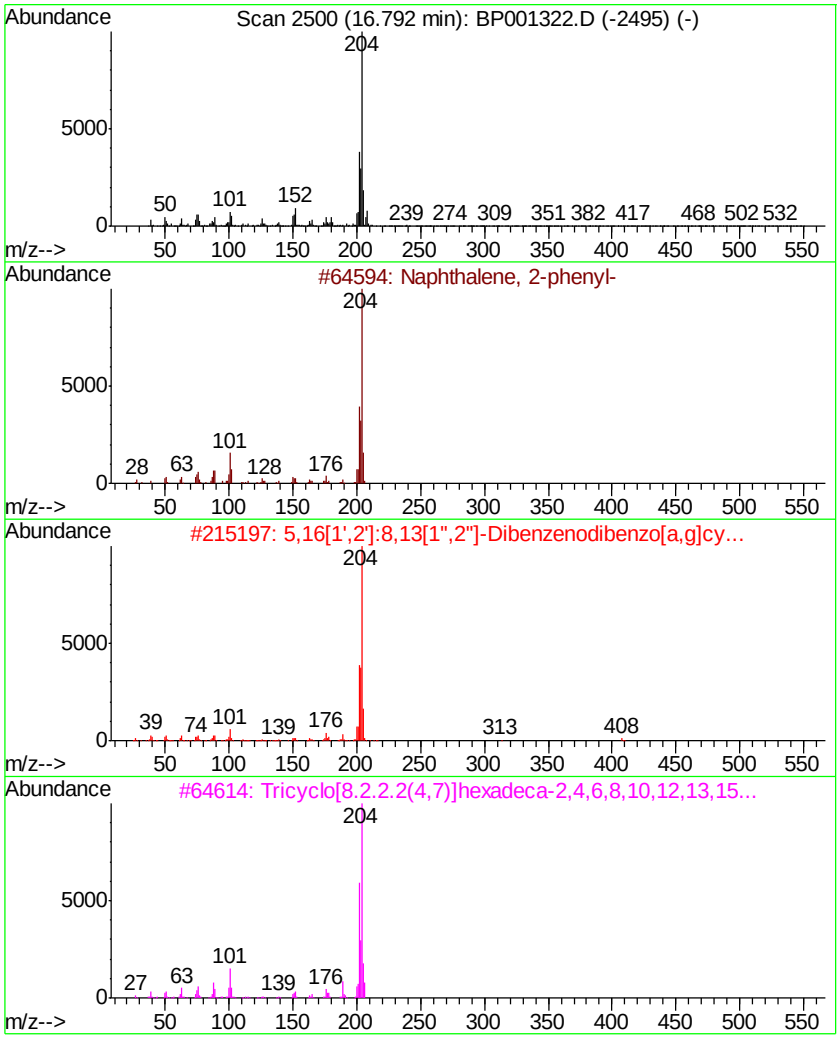
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

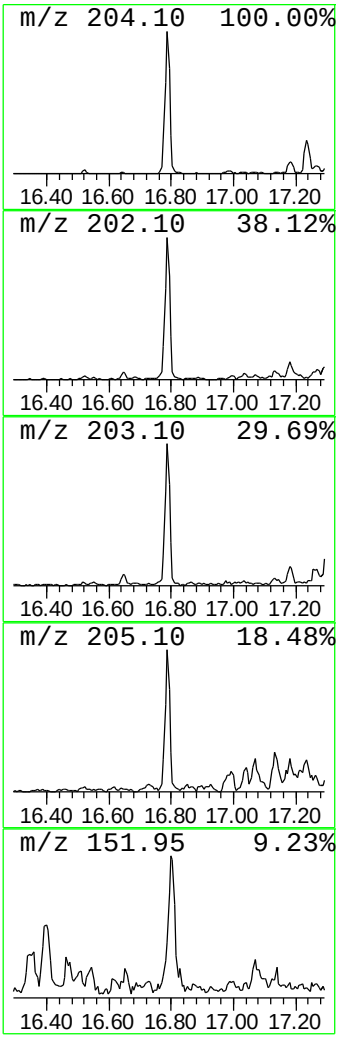
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.27 ng	133737	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

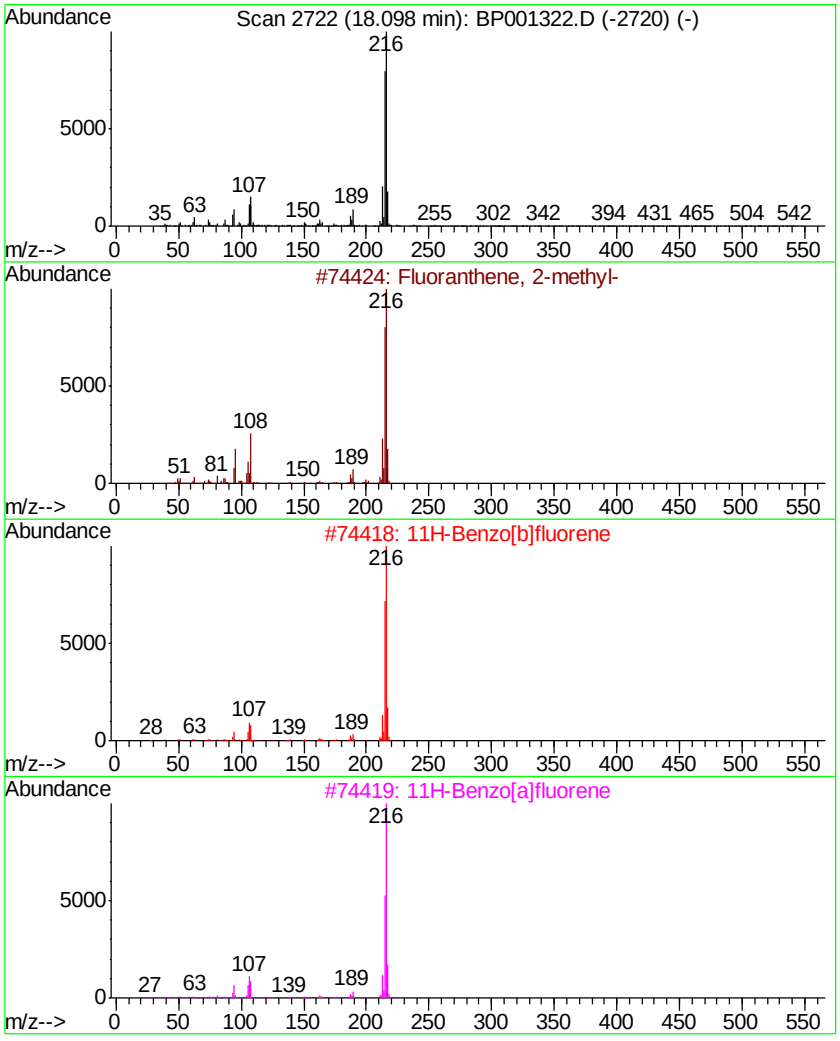
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

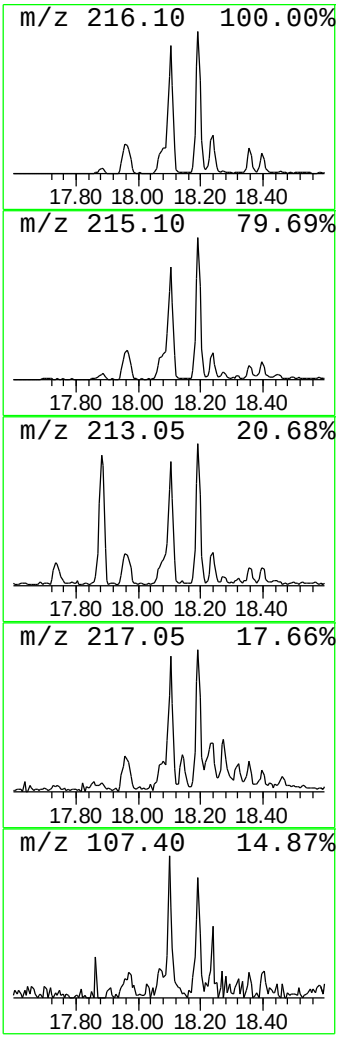
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	3.43 ng	152386	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

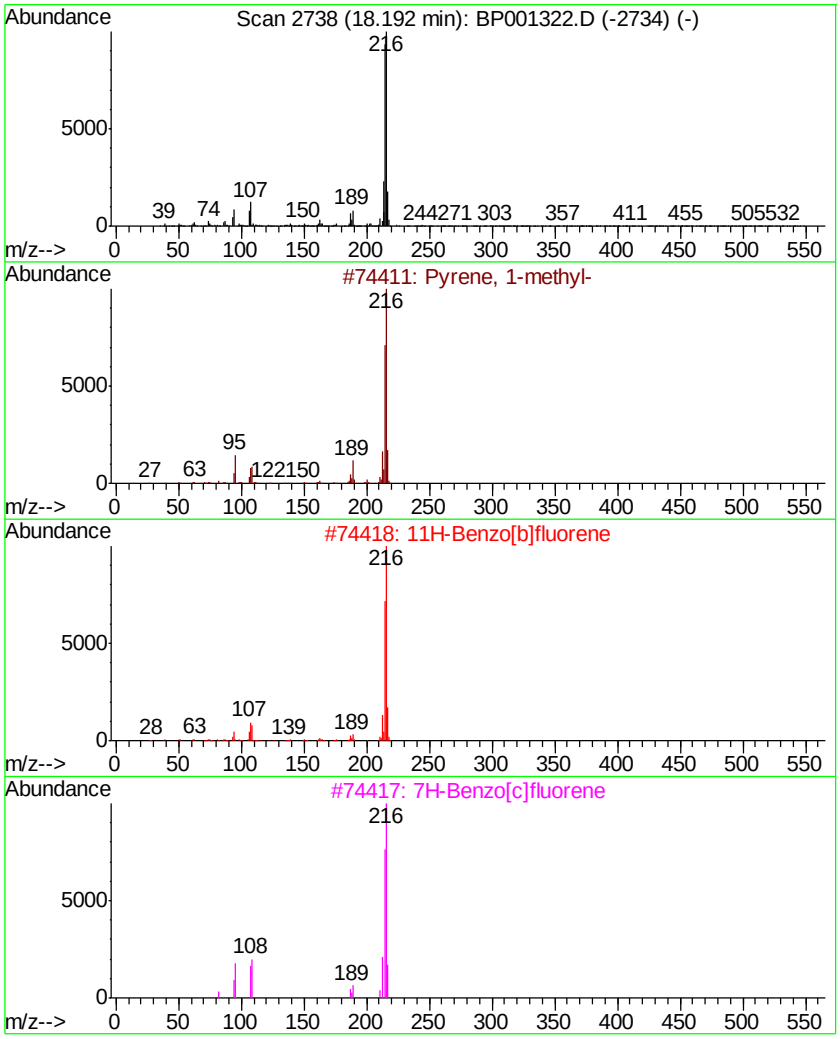
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

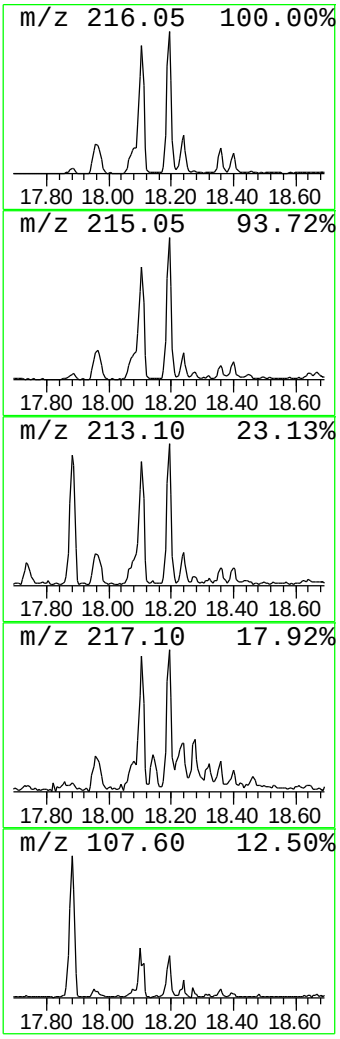
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.84 ng	170841	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

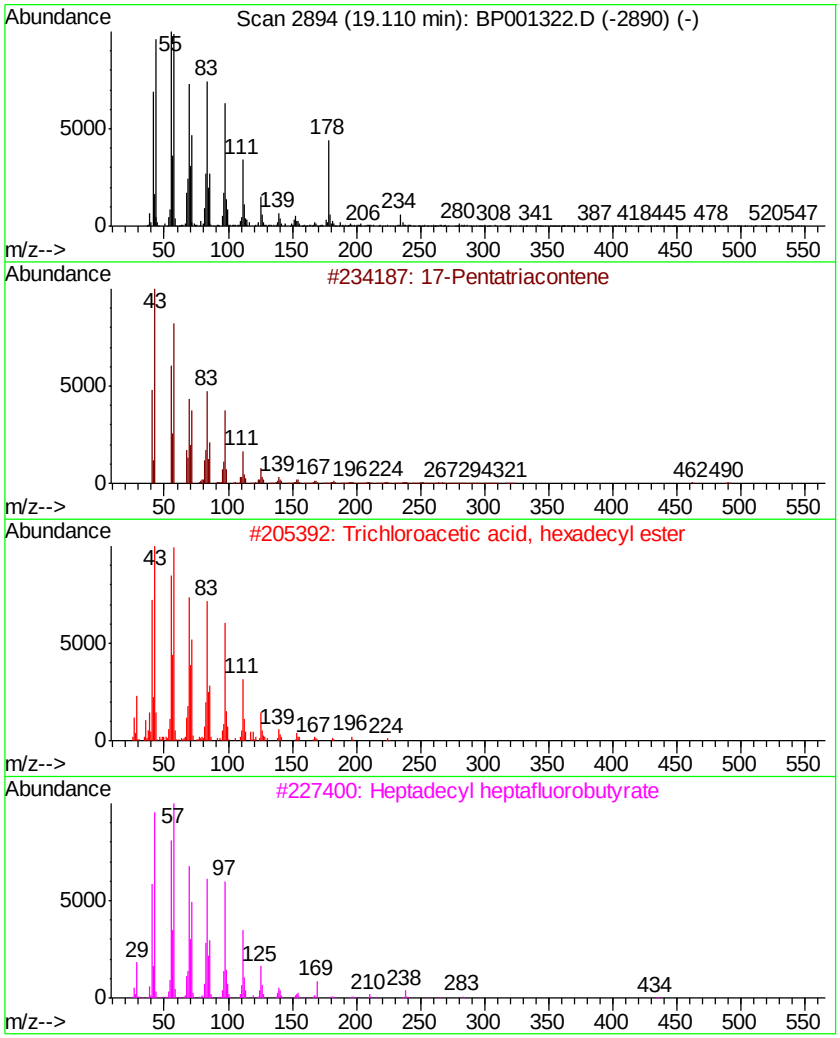
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

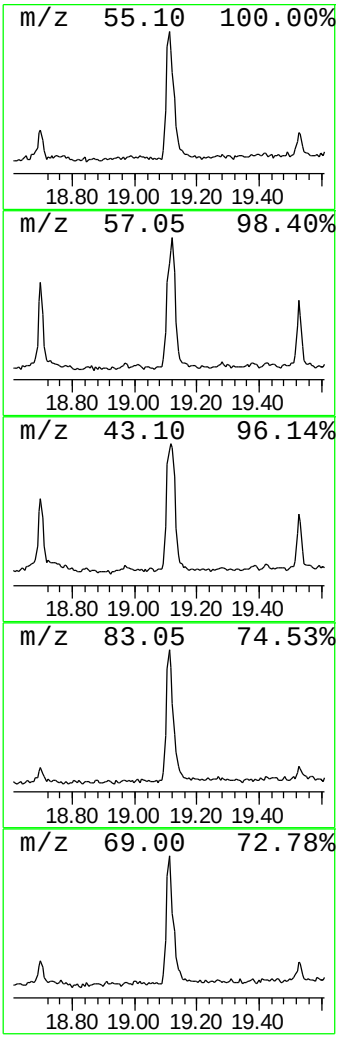
****

Peak Number 17 17-Pentatriacontene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	11.79 ng	524746	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

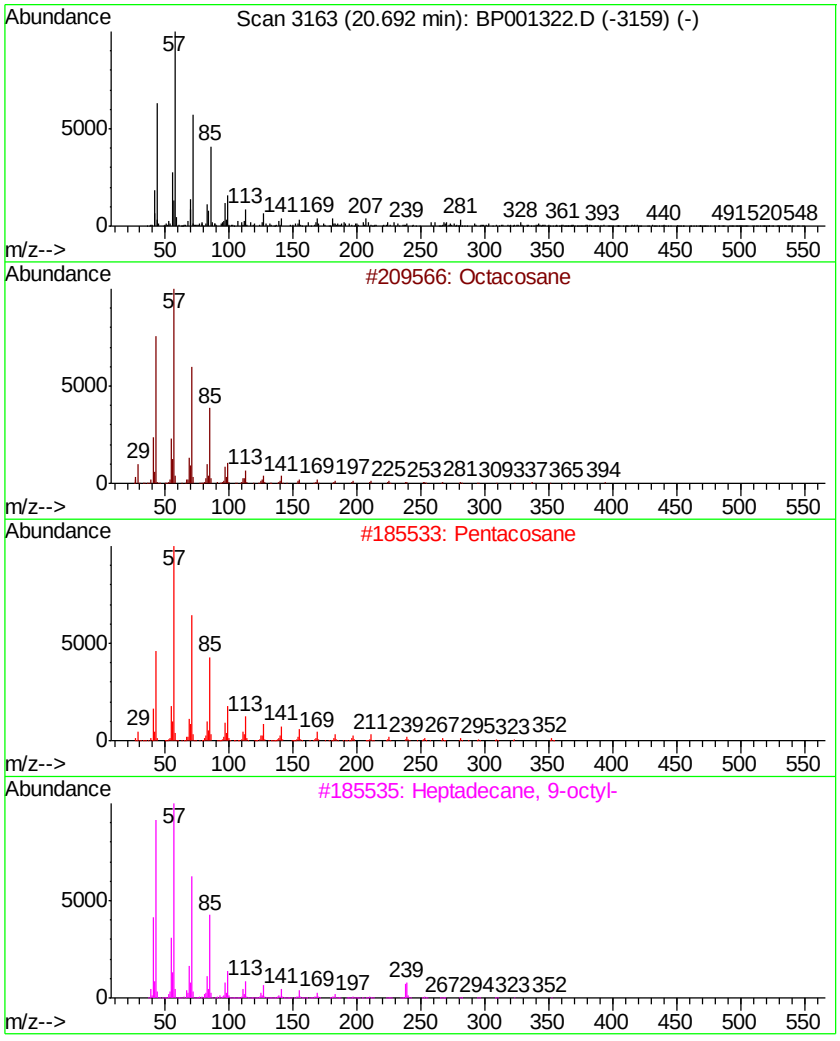
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

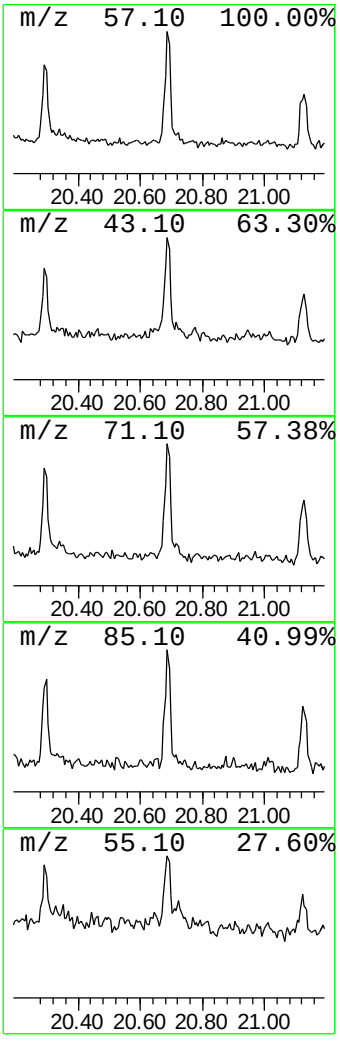
****

Peak Number 18 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.99 ng	75308	Perylene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Pentacosane	352	C25H52	000629-99-2	87
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
4	Tetracosane	338	C24H50	000646-31-1	80
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

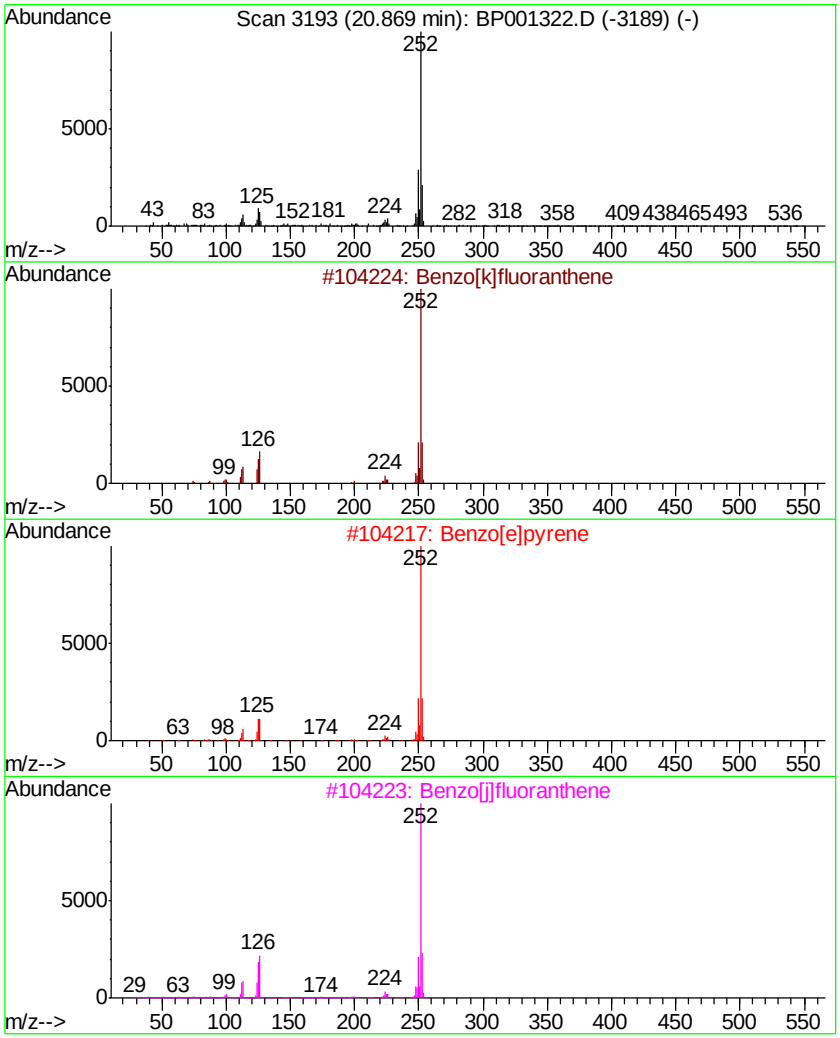
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

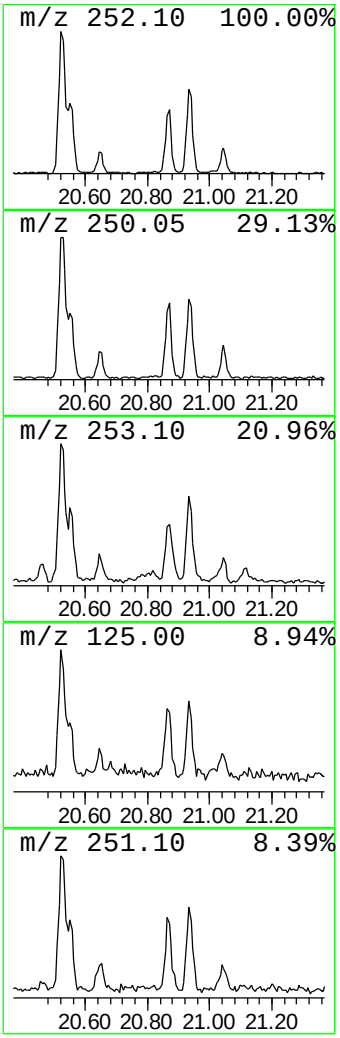
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.50 ng	88133	Perylene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

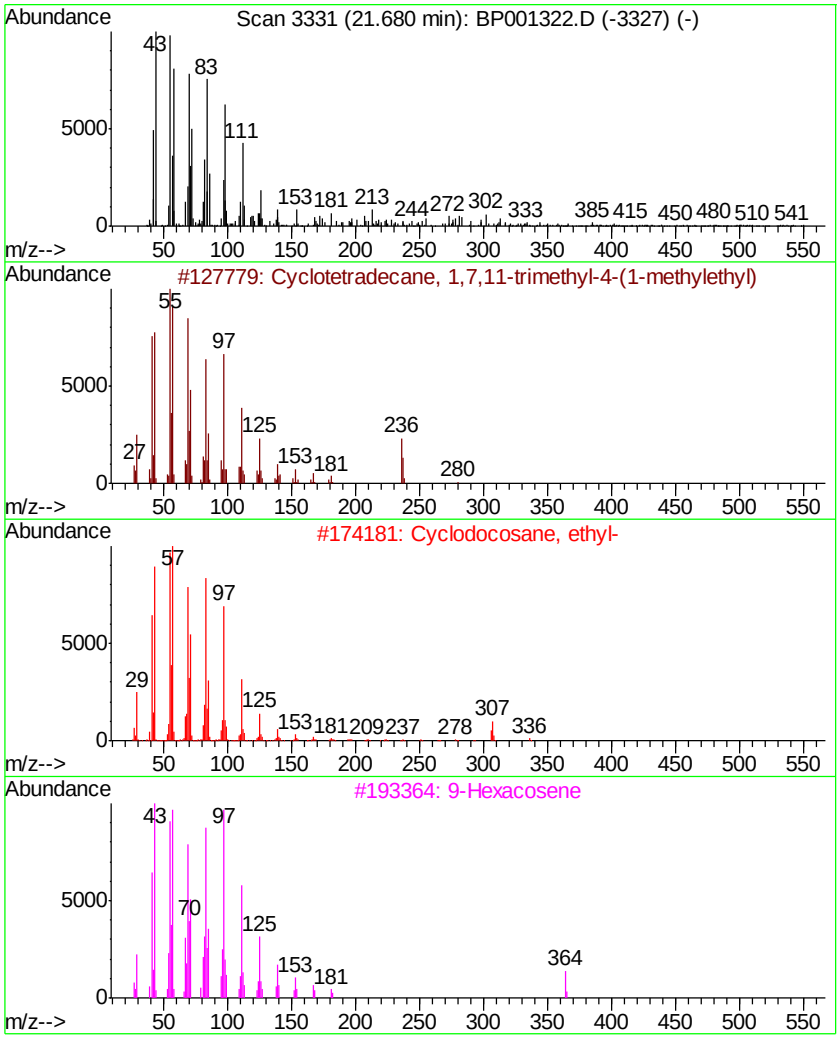
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

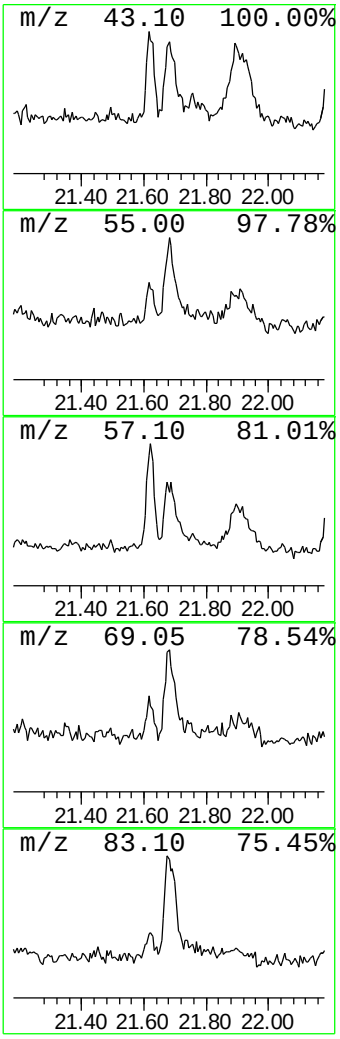
****

Peak Number 20 Cyclotetradecane, 1,7,11-tr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	4.20 ng	105720	Perylene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane, 1,7,11-trimeth...	280	C20H40	001786-12-5	94
2	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	94
3	9-Hexacosene	364	C26H52	071502-22-2	94
4	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	94
5	1-Hexacosene	364	C26H52	018835-33-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121119\
Data File : BP001322.D
Acq On : 11 Dec 2019 20:28
Operator : JU
Sample : K6247-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR200059

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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
2-Pentanone, 4-hy...	5.63	15.0	ng	390097	1	8.31	518751	20.0
unknown7.95	7.95	76.9	ng	1993700	1	8.31	518751	20.0
Indane	8.59	3.0	ng	76894	1	8.31	518751	20.0
Benzene, 1-propynyl-	8.71	4.8	ng	125811	1	8.31	518751	20.0
Naphthalene, 1,6-...	12.53	3.8	ng	142832	3	13.20	744807	20.0
Naphthalene, 1,4-...	12.66	4.0	ng	150953	3	13.20	744807	20.0
9H-Fluoren-9-ol	14.37	3.0	ng	113454	3	13.20	744807	20.0
Phenanthrene, 9,1...	14.82	3.0	ng	94287	4	15.60	625683	20.0
Naphtho[2,3-b]thi...	15.44	6.8	ng	214236	4	15.60	625683	20.0
Phenanthrene, 2-m...	16.35	4.9	ng	154397	4	15.60	625683	20.0
Phenanthrene, 1-m...	16.39	5.8	ng	182799	4	15.60	625683	20.0
4H-Cyclopenta[def...	16.50	19.6	ng	614608	4	15.60	625683	20.0
Naphthalene, 2-ph...	16.79	4.3	ng	133737	4	15.60	625683	20.0
Fluoranthene, 2-m...	18.10	3.4	ng	152386	5	19.24	889816	20.0
Pyrene, 1-methyl-	18.19	3.8	ng	170841	5	19.24	889816	20.0
17-Pentatriacontene	19.11	11.8	ng	524746	5	19.24	889816	20.0
Octacosane	20.69	3.0	ng	75308	6	21.01	503073	20.0
Benzo[e]pyrene	20.87	3.5	ng	88133	6	21.01	503073	20.0
Cyclotetradecane,...	21.68	4.2	ng	105720	6	21.01	503073	20.0