LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

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_M\METHODS\8270-BM012320.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	5.093	368	375	381	rBV	4411230	6207443	15.55%	0.806%
2	6.651	628	640	658	rVB	4296859	7293123	18.27%	0.947%
3	7.116	712	719	728	rBV2	665482	1593192	3.99%	0.207%
4	7.445	769	775	786	rVB2	1598440	2920343	7.32%	0.379%
5	7.757	821	828	833	rBV	3786541	6098158	15.28%	0.792%
6	7.816	833	838	844	rVB	1261660	1937223	4.85%	0.252%
7	8.587	964	969	973	rVB	2412620	3797004	9.51%	0.493%
8	9.622	1137	1145	1155	rBV4	836134	2242325	5.62%	0.291%
9	10.204	1236	1244	1248	rBV	2218224	4119813	10.32%	0.535%
10	10.251	1248	1252	1259	rVB	2825898	4747079	11.89%	0.617%
11	10.416	1275	1280	1287	rBV2	1090738	1835767	4.60%	0.238%
12	11.281	1418	1427	1431	rBV	2229449	4508300	11.29%	0.586%
13	11.880	1522	1529	1540	rVB	8082893	15224643	38.14%	1.978%
14	11.998	1541	1549	1553	rBV7	555884	1669499	4.18%	0.217%
15	12.110	1554	1568	1573	rBV	15817588	27826321	69.71%	3.615%
16	12.663	1658	1662	1665	rVV2	3017748	4295114	10.76%	0.558%
17	12.710	1665	1670	1675	rVB	6559591	9737028	24.39%	1.265%
18	12.922	1702	1706	1710	rVB	1580808	2154658	5.40%	0.280%
19	13.033	1722	1725	1733	rVV5	860002	2371039	5.94%	0.308%
20	13.122	1734	1740	1748	rVB	3101557	6222562	15.59%	0.808%
21	13.257	1758	1763	1764	rBV	6073764	7713442	19.32%	1.002%
22	13.422	1781	1791	1796	rVV	10969134	20514869	51.39%	2.665%
23	13.474	1796	1800	1806	rVV	6819523	9919163	24.85%	1.289%
24	13.533	1806	1810	1819	rVV3	3121609	7646054	19.15%	0.993%
25	13.633	1819	1827	1828	rVV2	4364492	7271444	18.22%	0.945%
26	13.657	1828	1831	1834	rVV	6168965	9046101	22.66%	1.175%
27	13.686	1834	1836	1842	rVB2	2434588	3231948	8.10%	0.420%
28	13.816	1852	1858	1869	rBV2	5611650	10824080	27.12%	1.406%
29	13.939	1876	1879	1883	rVB	2065678	2599181	6.51%	0.338%
30	14.092	1899	1905	1912	rBV5	4147865	9030159	22.62%	1.173%
31	14.169	1912	1918	1922	rBV2	15291079	23877528	59.82%	3.102%
32	14.321	1939	1944	1953	rVB2	2764278	6477793	16.23%	0.842%
33	14.404	1954	1958	1962	rVV3	1325077	1928430	4.83%	0.251%
34	14.516	1969	1977	1982	rVV2	4418722	9685804	24.26%	1.258%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
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Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

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_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.592	1982	1990	1994	rVB	4632774	7809354	19.56%	1.015%
36	14.733	2008	2014	2019	rVV2	3230108	6615159	16.57%	0.859%
37	14.786	2019	2023	2027	rVB	3877303	5458806	13.68%	0.709%
38	14.904	2037	2043	2047	rBV3	3139248	5447557	13.65%	0.708%
39	14.980	2053	2056	2059	rVB	1382222	1669558	4.18%	0.217%
40	15.098	2073	2076	2080	rVB	1888625	2515239	6.30%	0.327%
41	15.157	2081	2086	2091	rBV	11976690	17472461	43.77%	2.270%
42	15.210	2091	2095	2099	rVV3	1538583	2879948	7.21%	0.374%
43	15.251	2099	2102	2105	rVV	2186100	3262597	8.17%	0.424%
44	15.280	2105	2107	2111	rVV2	3117542	3944109	9.88%	0.512%
45	15.316	2111	2113	2117	rVV2	1507020	1942899	4.87%	0.252%
46	15.374	2120	2123	2126	rVV2	1661403	2706425	6.78%	0.352%
47	15.416	2126	2130	2134	rVV2	3713400	5864345	14.69%	0.762%
48	15.568	2152	2156	2157	rBV	1464315	1778221	4.45%	0.231%
49	15.598	2157	2161	2170	rVB5	5933316	11067390	27.73%	1.438%
50	15.686	2171	2176	2181	rBV5	1273306	2667014	6.68%	0.346%
51	15.845	2200	2203	2208	rVB2	1603514	2099196	5.26%	0.273%
52	15.898	2208	2212	2217	rVB	5928731	8336956	20.89%	1.083%
53	15.980	2223	2226	2230	rBV2	1300715	1741228	4.36%	0.226%
54	16.168	2251	2258	2263	rBV2	6008005	11339930	28.41%	1.473%
55	16.215	2263	2266	2272	rVV2	3810205	5616134	14.07%	0.730%
56	16.274	2273	2276	2279	rVV3	1294503	2055191	5.15%	0.267%
57	16.310	2279	2282	2289	rVB2	2625506	4407918	11.04%	0.573%
58	16.439	2301	2304	2307	rVB3	1394876	1691361	4.24%	0.220%
59	16.521	2314	2318	2324	rVB4	1932421	3201909	8.02%	0.416%
60	16.668	2339	2343	2347	rBV	3664330	4922130	12.33%	0.639%
61	16.715	2348	2351	2360	rVB2	3602547	5491098	13.76%	0.713%
62	16.851	2370	2374	2377	rBV	2304140	3130718	7.84%	0.407%
63	16.904	2377	2383	2387	rVB	26656904	39917404	100.00%	5.186%
64	16.986	2393	2397	2402	rVB	10653937	14455529	36.21%	1.878%
65	17.062	2405	2410	2414	rBV4	3054901	5355757	13.42%	0.696%
66	17.433	2469	2473	2478	rVB	2857527	3778637	9.47%	0.491%
67	17.580	2494	2498	2505	rVB	2023681	3500981	8.77%	0.455%
68	17.733	2519	2524	2528	rBV	8946307	13269741	33.24%	1.724%
69	17.780	2528	2532	2540	rVB	9836326	14611921	36.61%	1.898%
70	17.862	2541	2546	2550	rVV2	4392863	7157554	17.93%	0.930%
71	17.921	2551	2556	2560	rVV2	12584206	22022210	55.17%	2.861%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

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_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.962	2560	2563	2572	rVB	7036780	10776249	27.00%	1.400%
73	18.133	2589	2592	2594	rBV2	1446320	1931576	4.84%	0.251%
74	18.239	2606	2610	2614	rVB	3464374	4027686	10.09%	0.523%
75	18.498	2650	2654	2658	rVB2	2848934	4141760	10.38%	0.538%
76	18.545	2659	2662	2665	rBV	2003589	2877343	7.21%	0.374%
77	18.674	2680	2684	2688	rVB	4738057	6603785	16.54%	0.858%
78	18.809	2704	2707	2709	rBV	1618294	2229672	5.59%	0.290%
79	18.933	2723	2728	2732	rBV	18862373	23708985	59.40%	3.080%
80	19.004	2736	2740	2744	rBV	6247750	7908876	19.81%	1.027%
81	19.080	2749	2753	2758	rVB	5021923	6938937	17.38%	0.901%
82	19.298	2783	2790	2798	rVB	20903066	34666120	86.84%	4.504%
83	19.509	2822	2826	2830	rBV	7992578	10073886	25.24%	1.309%
84	19.627	2842	2846	2857	rVB	3009329	6078989	15.23%	0.790%
85	19.727	2859	2863	2866	rBV	3812952	4971380	12.45%	0.646%
86	19.798	2872	2875	2880	rVB	6788911	8448395	21.16%	1.098%
87	19.898	2888	2892	2896	rBV	5129601	6083063	15.24%	0.790%
88	19.951	2898	2901	2906	rVB	3662720	4646709	11.64%	0.604%
89	20.092	2922	2925	2929	rVB	2759708	3208224	8.04%	0.417%
90	20.139	2929	2933	2938	rVB	3520066	4547644	11.39%	0.591%
91	20.750	3034	3037	3040	rBV	2170461	2444147	6.12%	0.318%
92	20.786	3040	3043	3046	rBV2	2253945	2987467	7.48%	0.388%
93	21.021	3079	3083	3086	rBV	22641244	26272513	65.82%	3.413%
94	21.056	3086	3089	3093	rVV2	12647904	19182422	48.06%	2.492%
95	21.103	3094	3097	3107	rVB	10625868	14648458	36.70%	1.903%
96	21.345	3135	3138	3142	rBV	7167570	8346930	20.91%	1.084%
97	21.562	3172	3175	3178	rBV2	3419342	4065154	10.18%	0.528%
98	22.568	3342	3346	3351	rBV	4794113	10761320	26.96%	1.398%
99	23.015	3418	3422	3429	rVB	4324456	7366665	18.45%	0.957%
100	23.103	3432	3437	3446	rVB	6945427	12008444	30.08%	1.560%

Sum of corrected areas: 769724014

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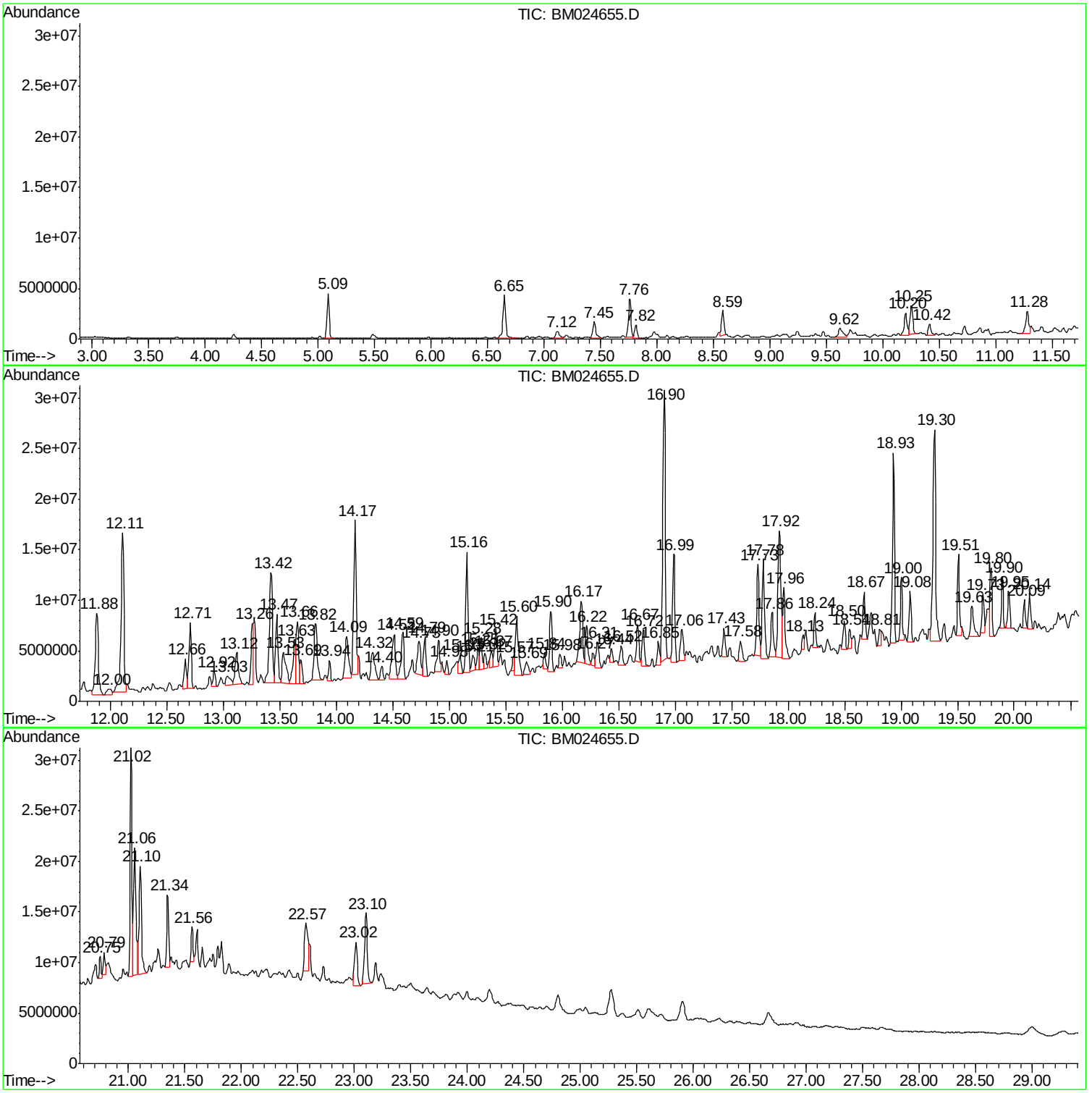
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.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 M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

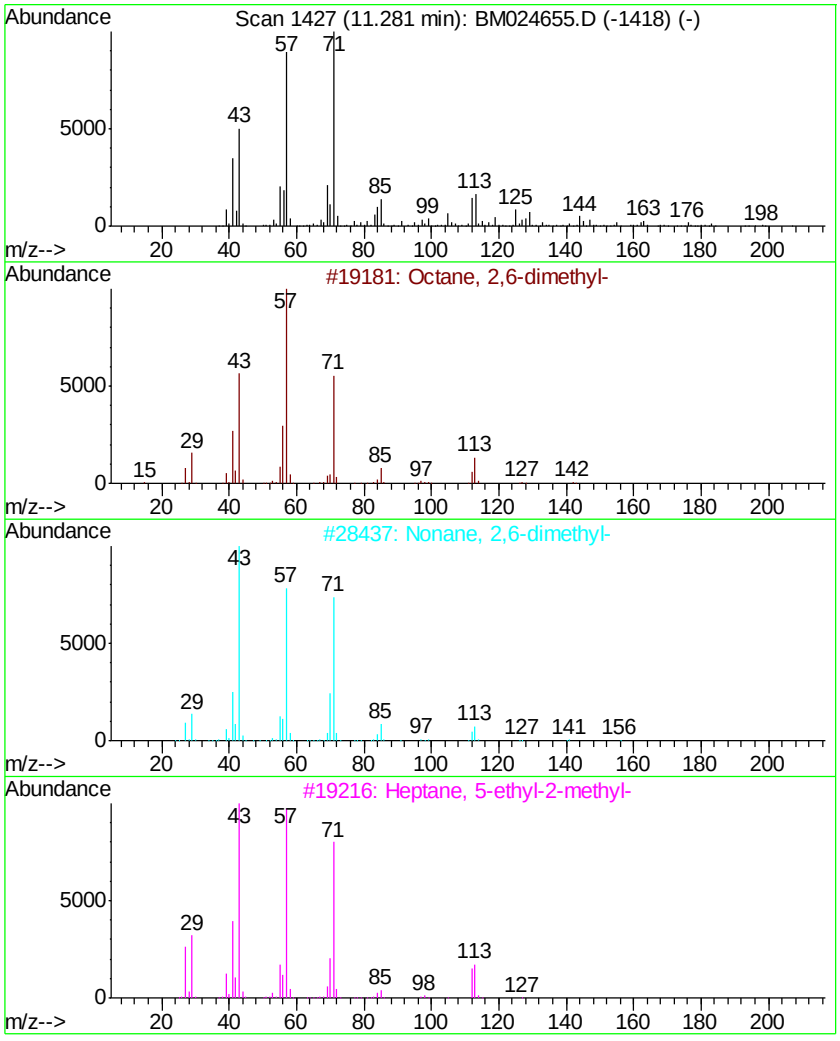
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

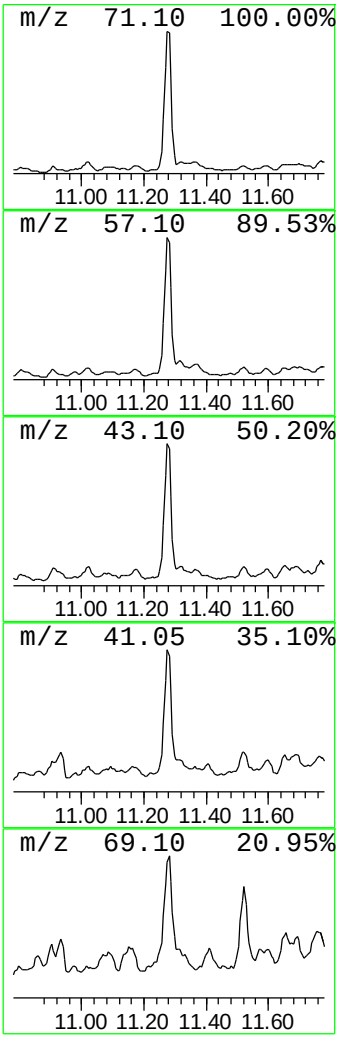
****

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	21.89 ng	4508300	Naphthalene-d8	10.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
3	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59
5	3-Bromooctane	192	C8H17Br	000999-64-4	50





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Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

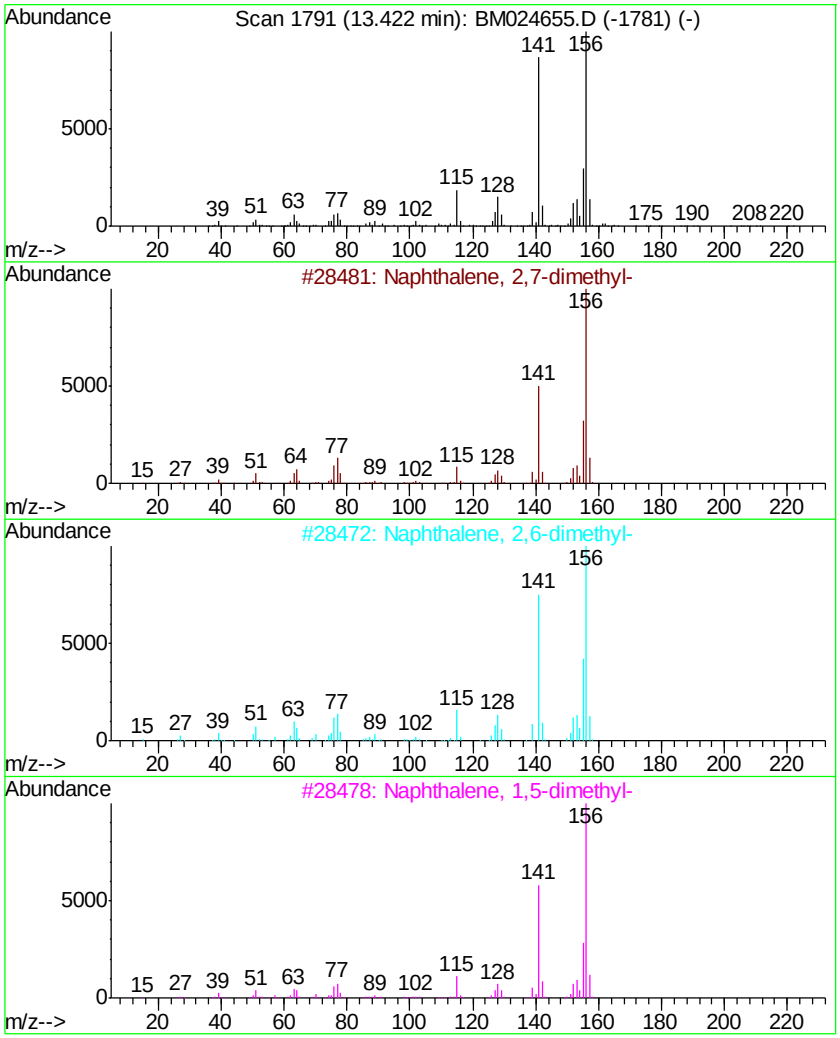
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

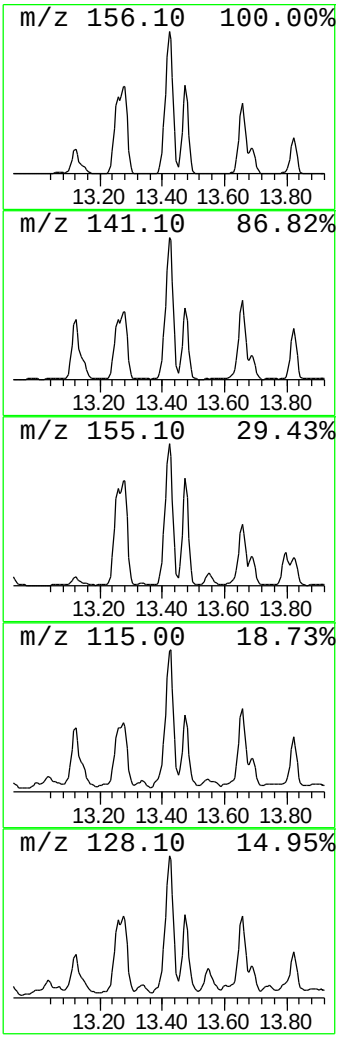
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	45.44 ng	20514900	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

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Acq On : 29 Jan 2020 18:05
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Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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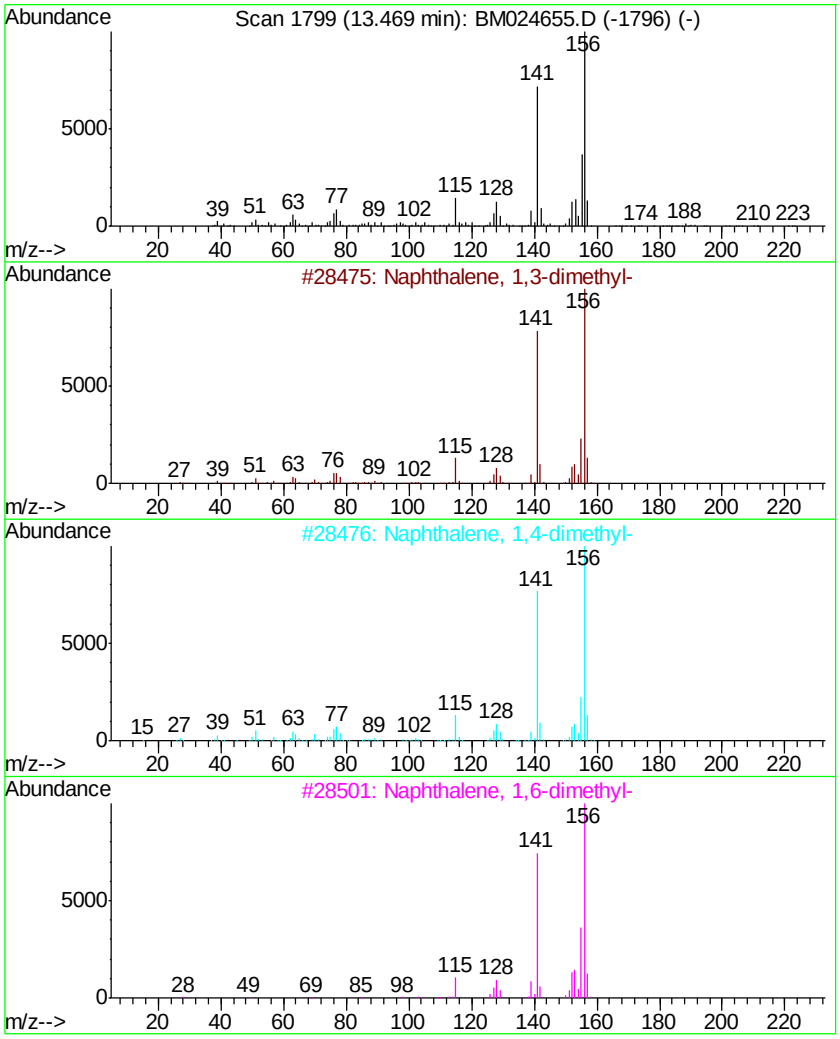
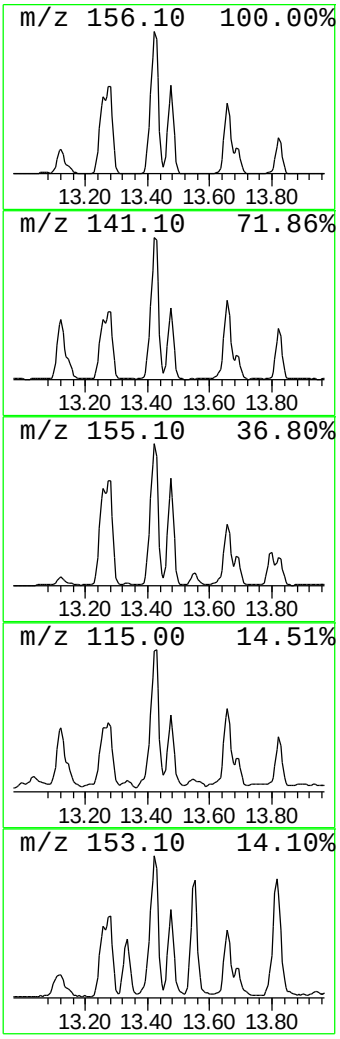
Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	21.97 ng	9919160	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

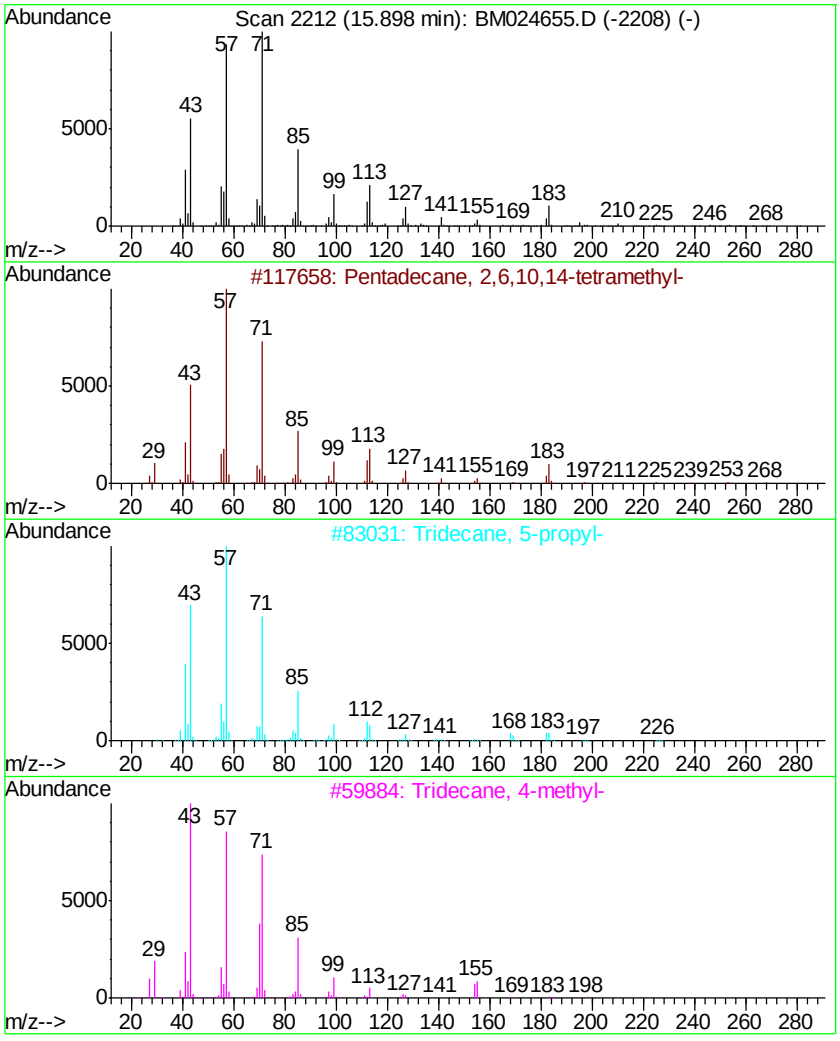
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

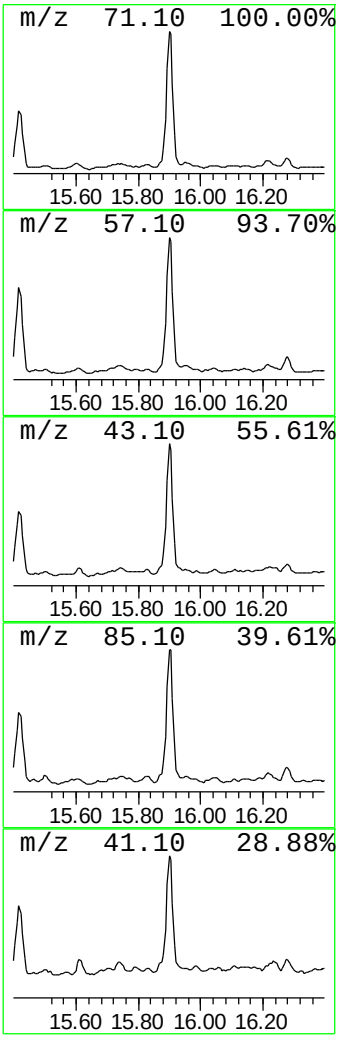
****

Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	53.26 ng	8336960	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	76
4	Decane, 2-methyl-	156	C11H24	006975-98-0	74
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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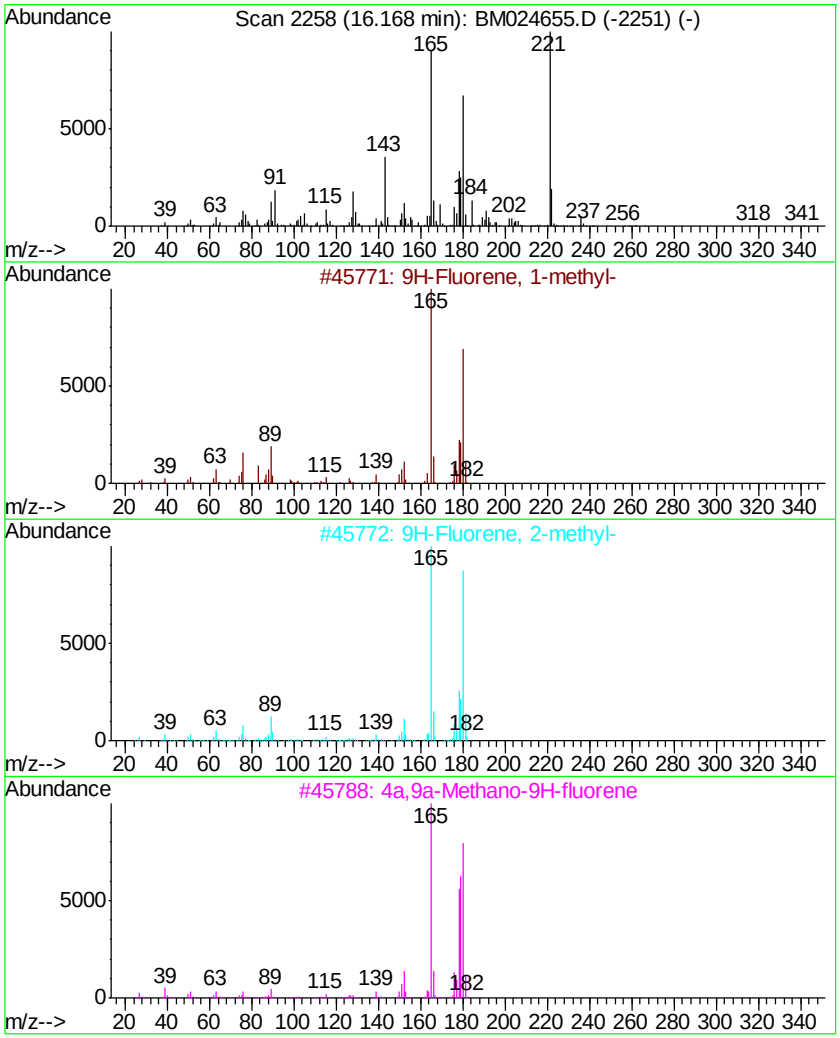
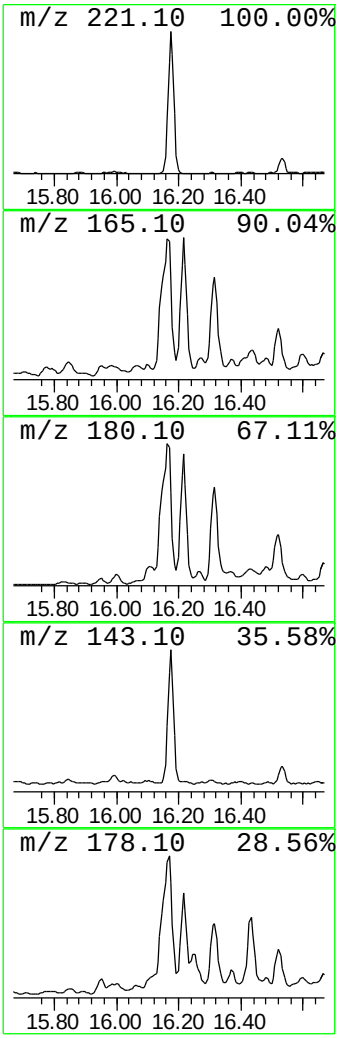
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	72.44 ng	11339900	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	66
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	50
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	42





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Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

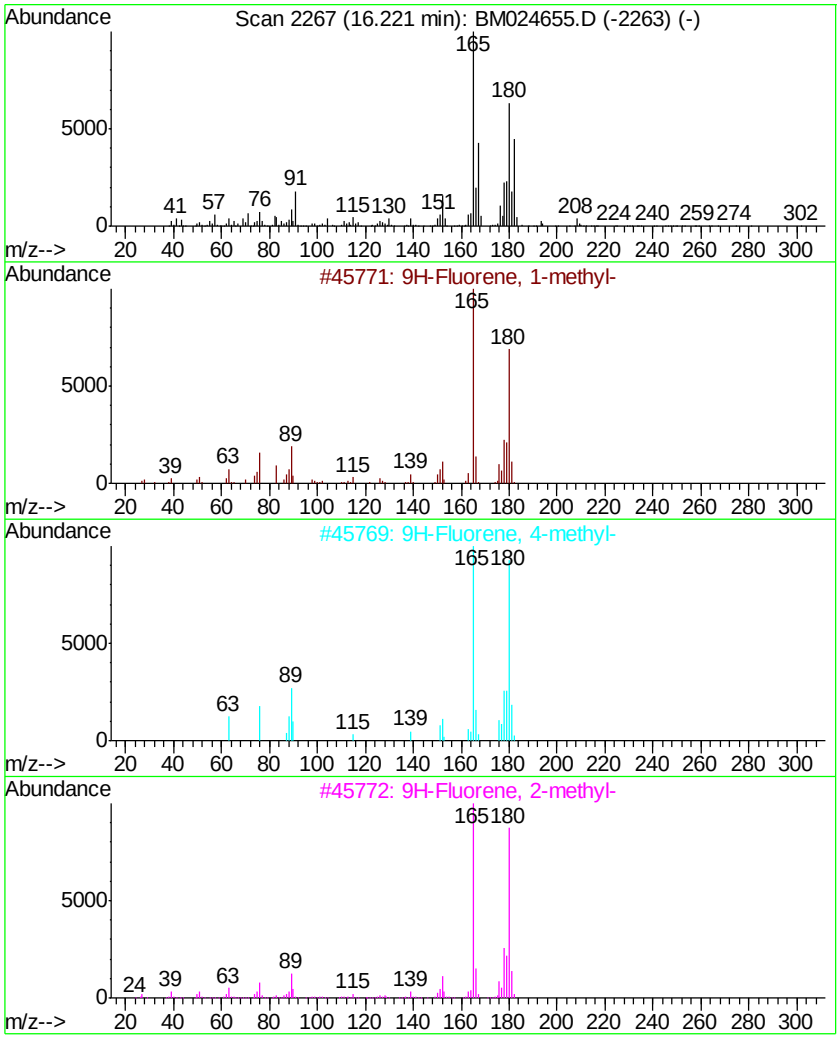
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

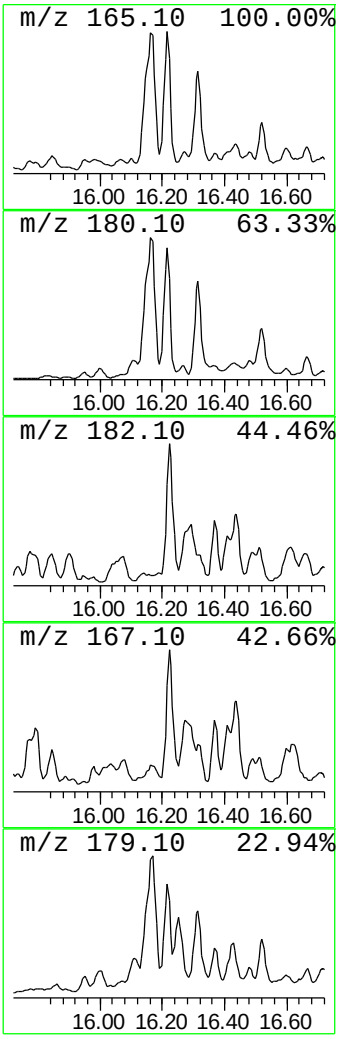
****

Peak Number 7 9H-Fluorene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	35.88 ng	5616130	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Library Search Compound Report

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Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

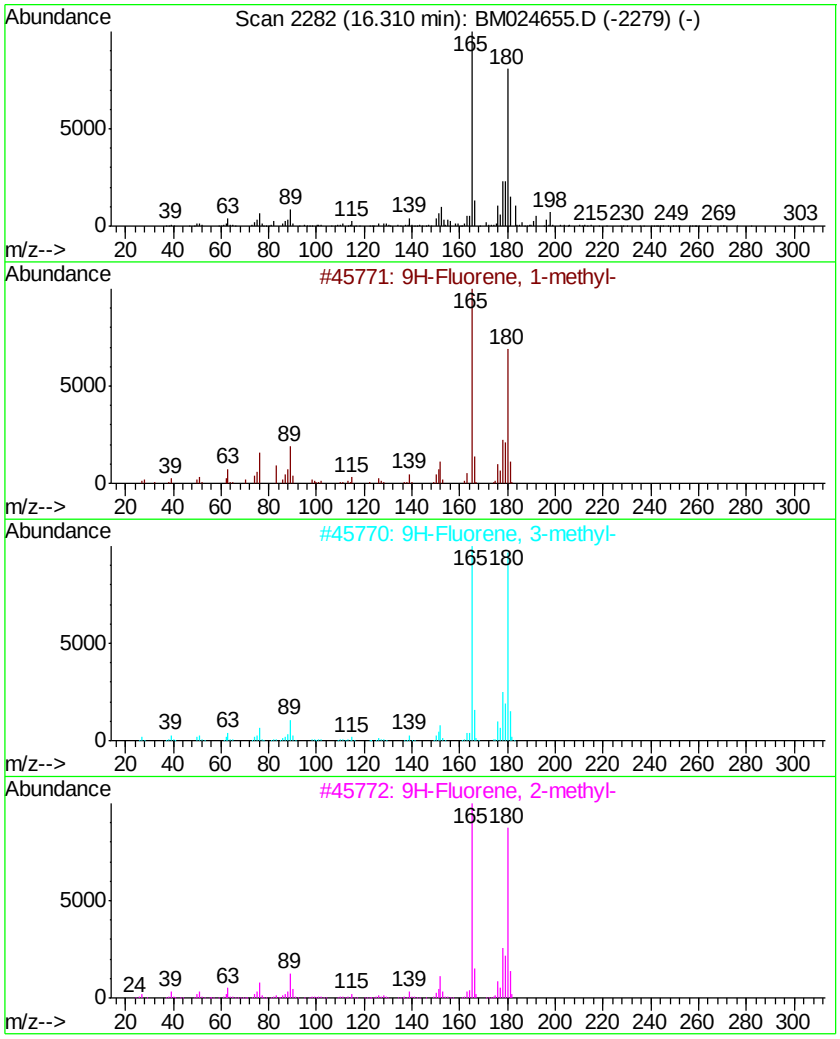
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

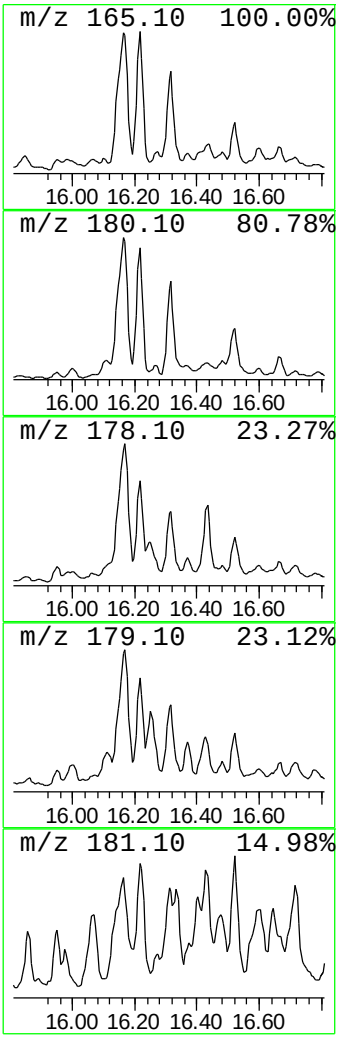
****

Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	28.16 ng	4407920	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Library Search Compound Report

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Data File : BM024655.D
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Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

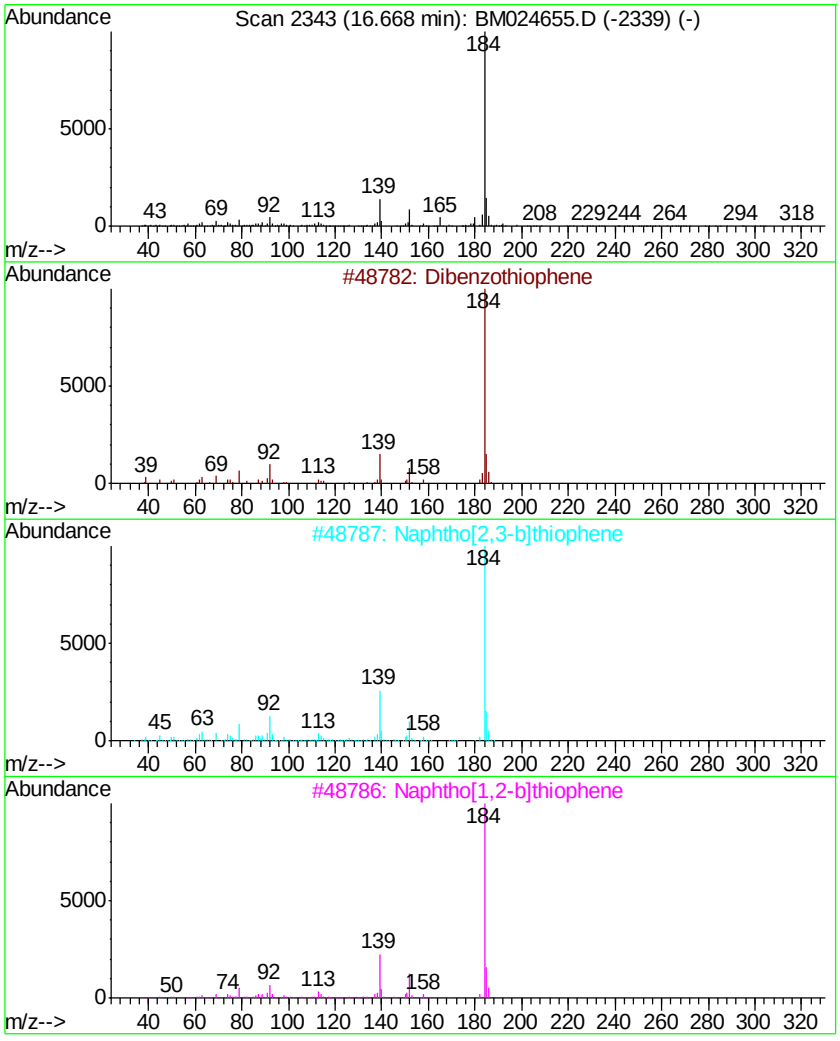
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

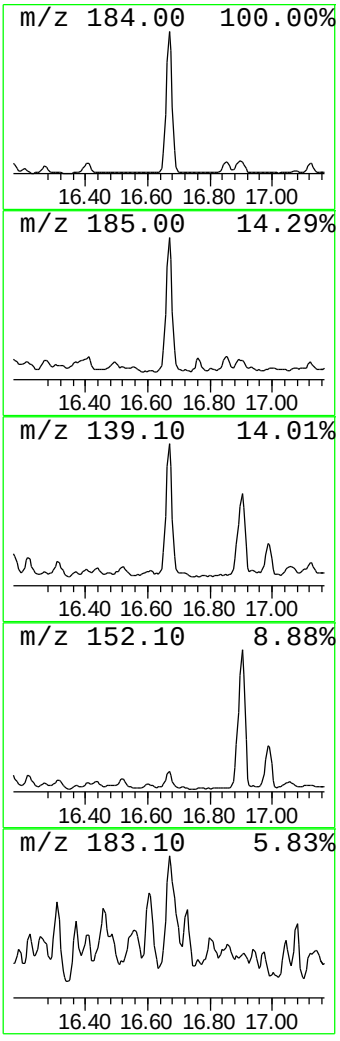
****

Peak Number 9 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	31.44 ng	4922130	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





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Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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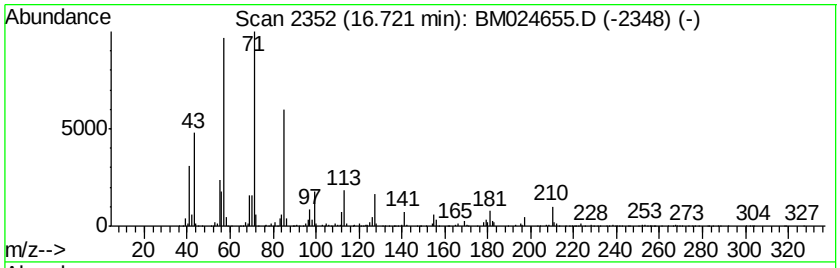
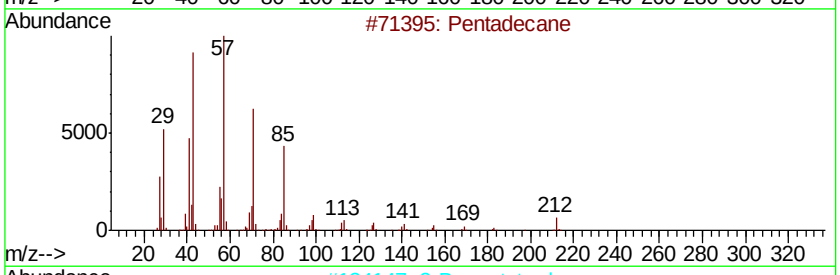
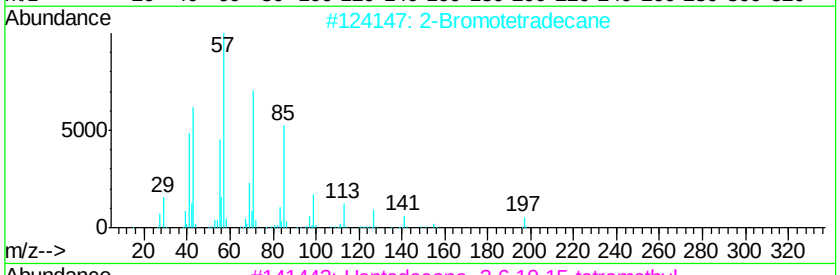
Peak Number 10 Pentadecane Concentration Rank 11

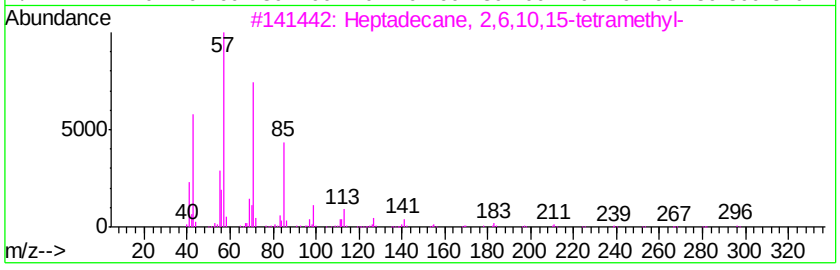
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	35.08 ng	5491100	Phenanthrene-d10	16.85

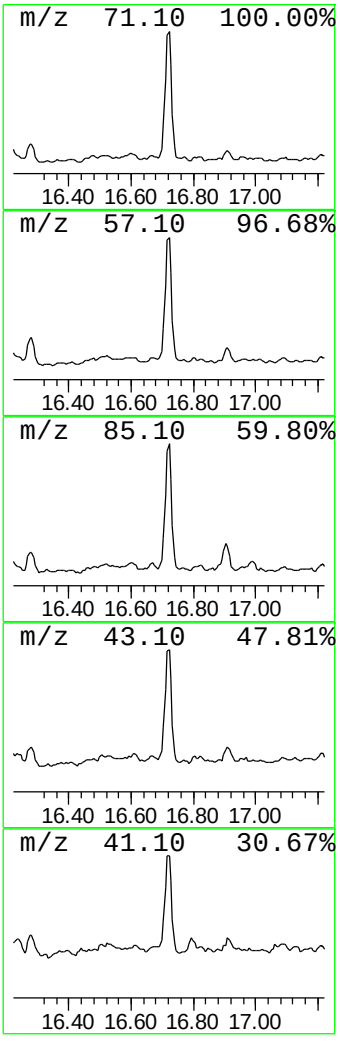
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	83
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	80
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
5	Hexadecane	226	C16H34	000544-76-3	60











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Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

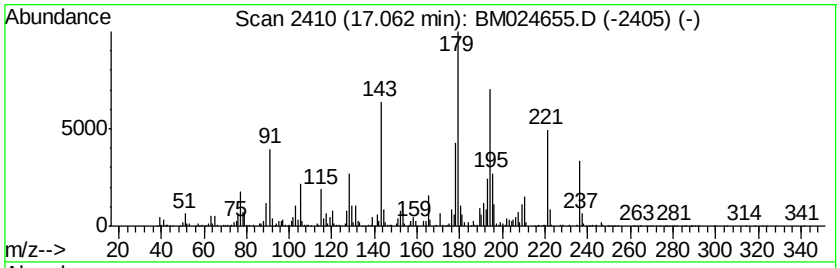
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

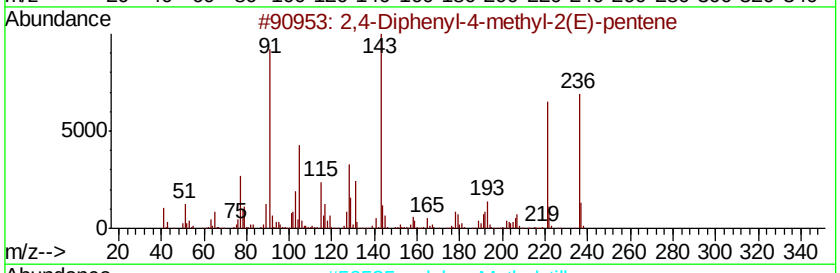
****

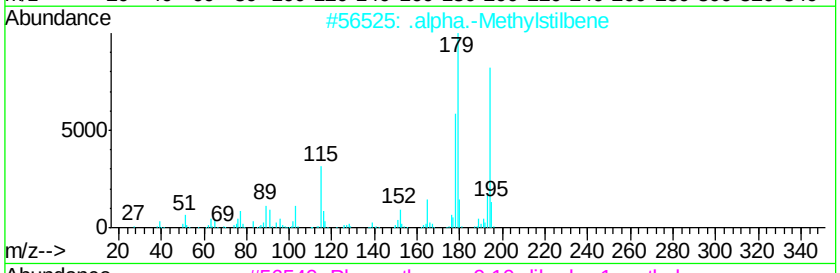
Peak Number 11 2,4-Diphenyl-4-methyl-2(E)-... Concentration Rank 12

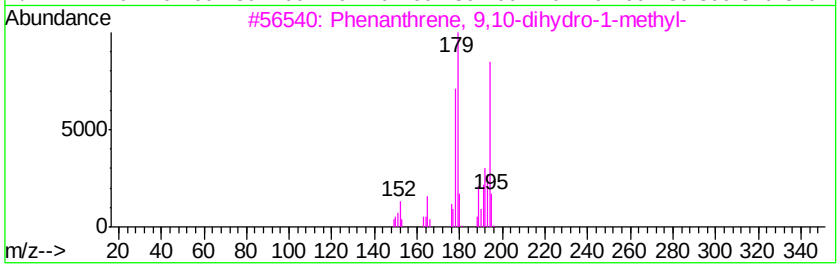
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	34.21 ng	5355760	Phenanthrene-d10	16.85

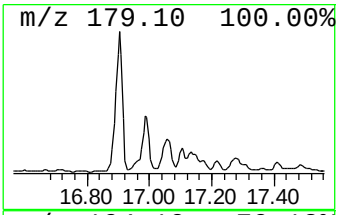
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diphenyl-4-methyl-2(E)-pentene	236	C18H20	022768-22-5	59
2	.alpha.-Methylstilbene	194	C15H14	000779-51-1	55
3	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	50
4	Stilbene, .alpha.-methyl-, (E)-	194	C15H14	000833-81-8	49
5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	49

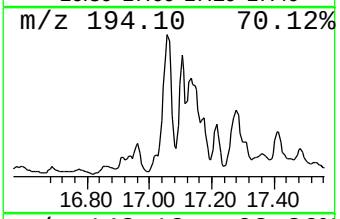


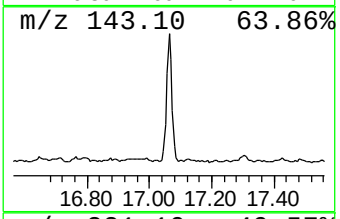


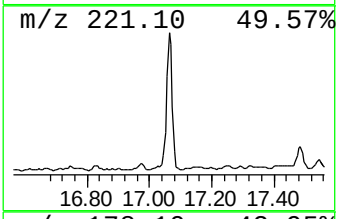


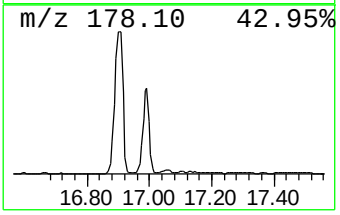












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Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

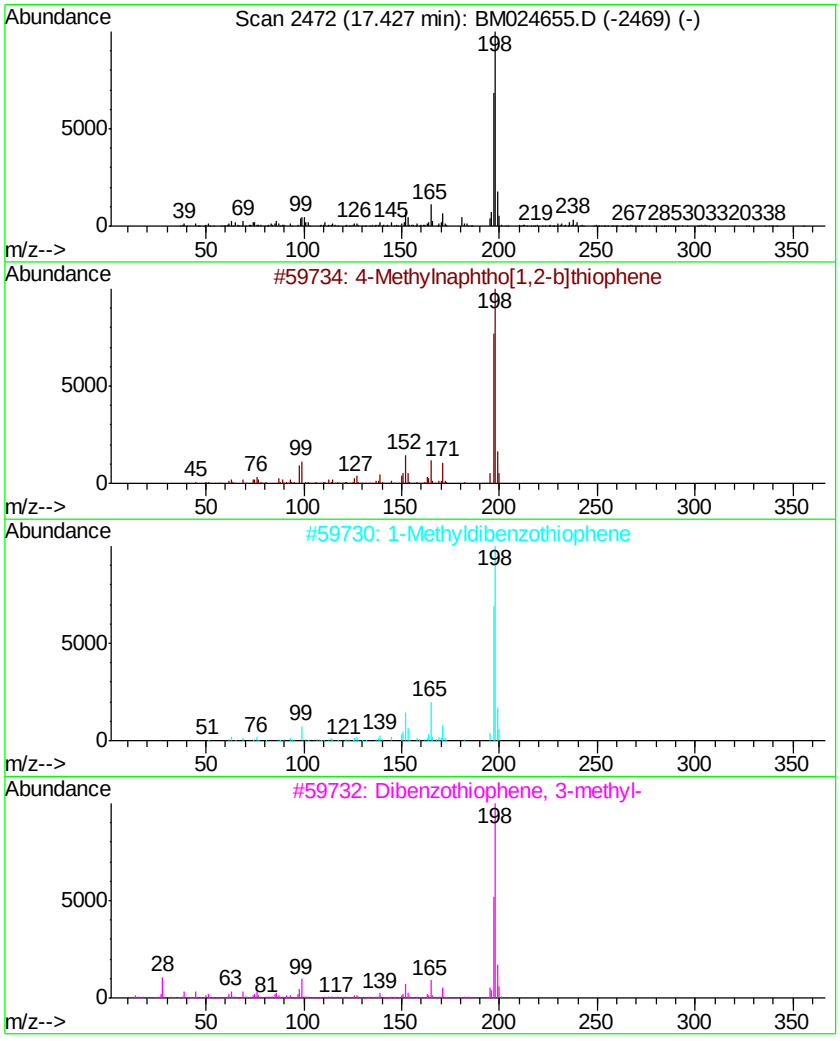
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

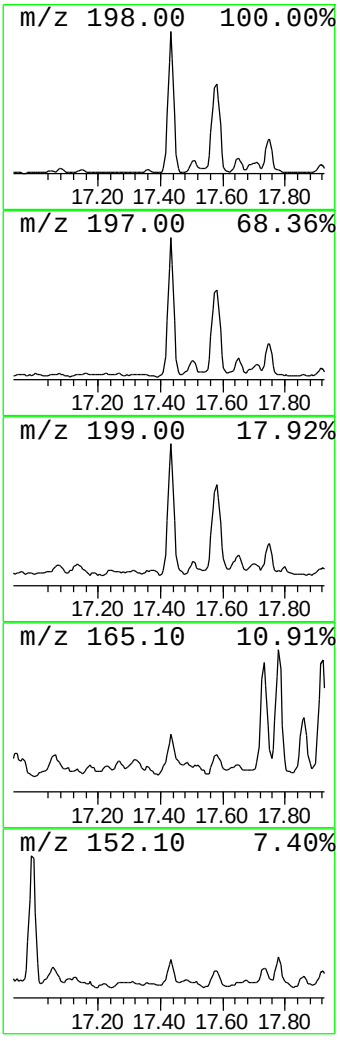
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	24.14 ng	3778640	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Tacrine	198	C13H14N2	000321-64-2	72





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Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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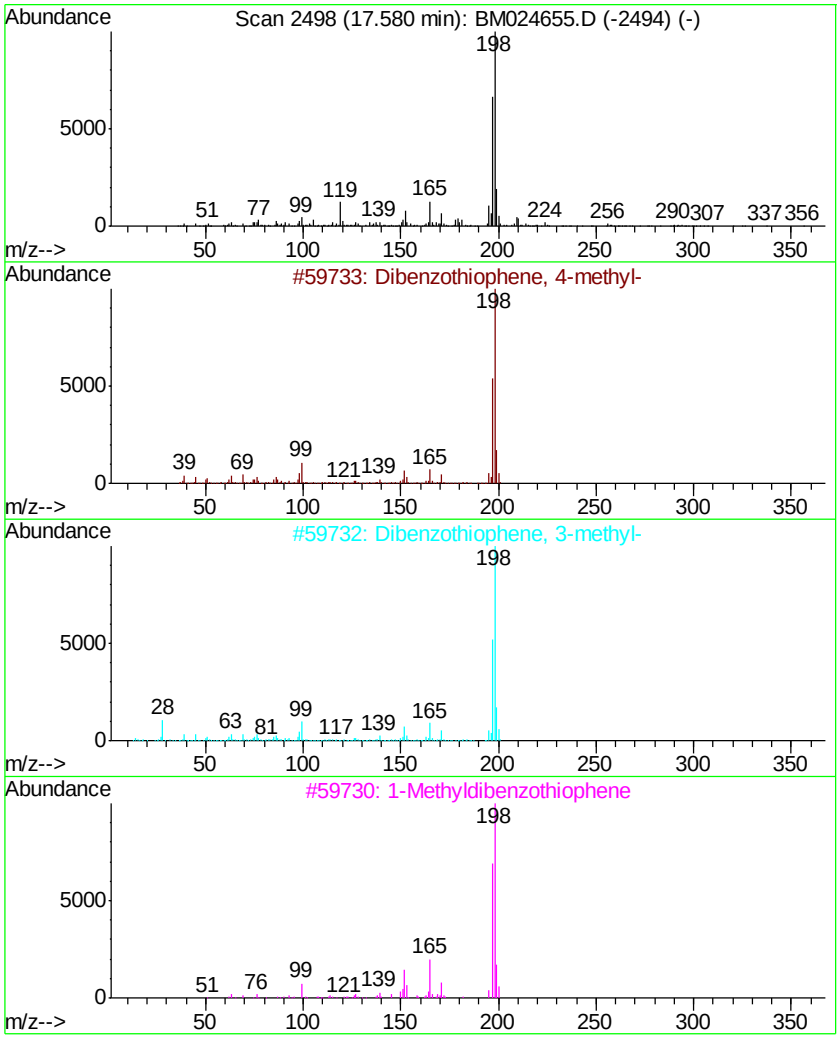
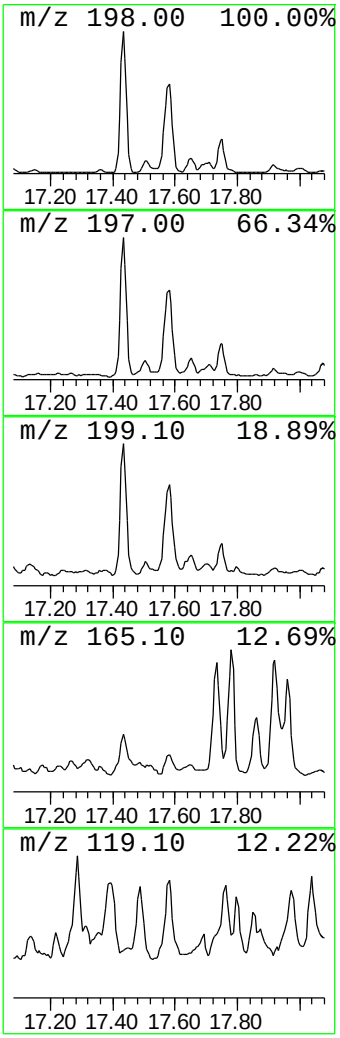
Peak Number 13 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	22.37 ng	3500980	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64





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Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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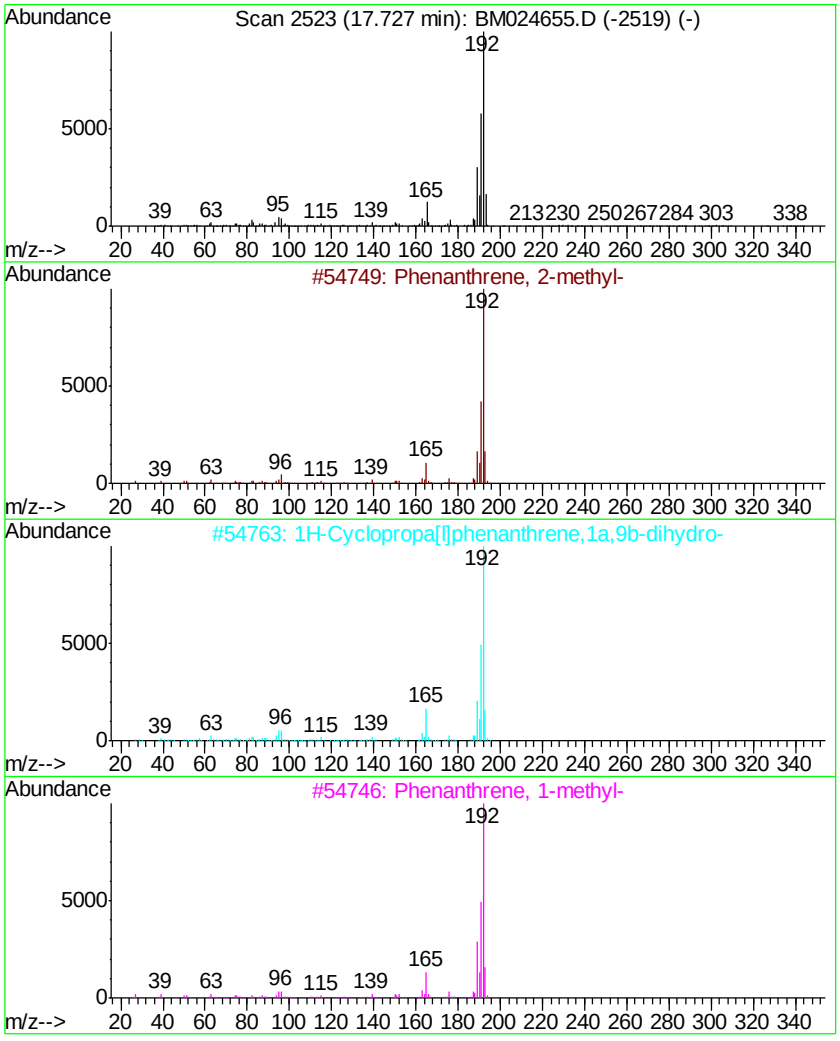
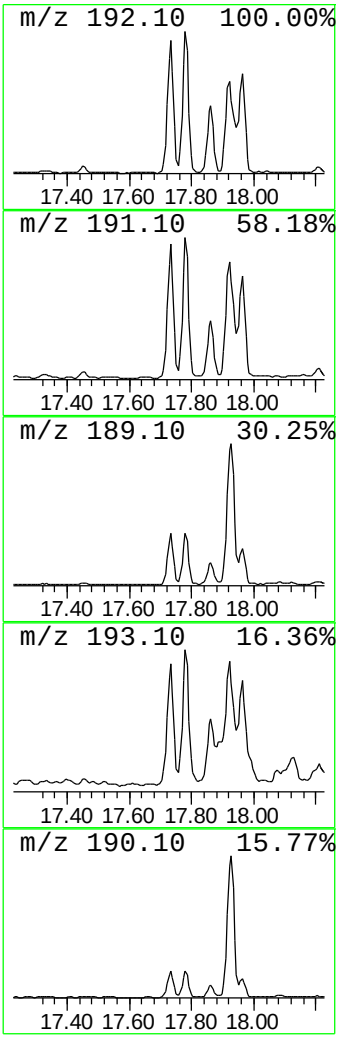
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	84.77 ng	13269700	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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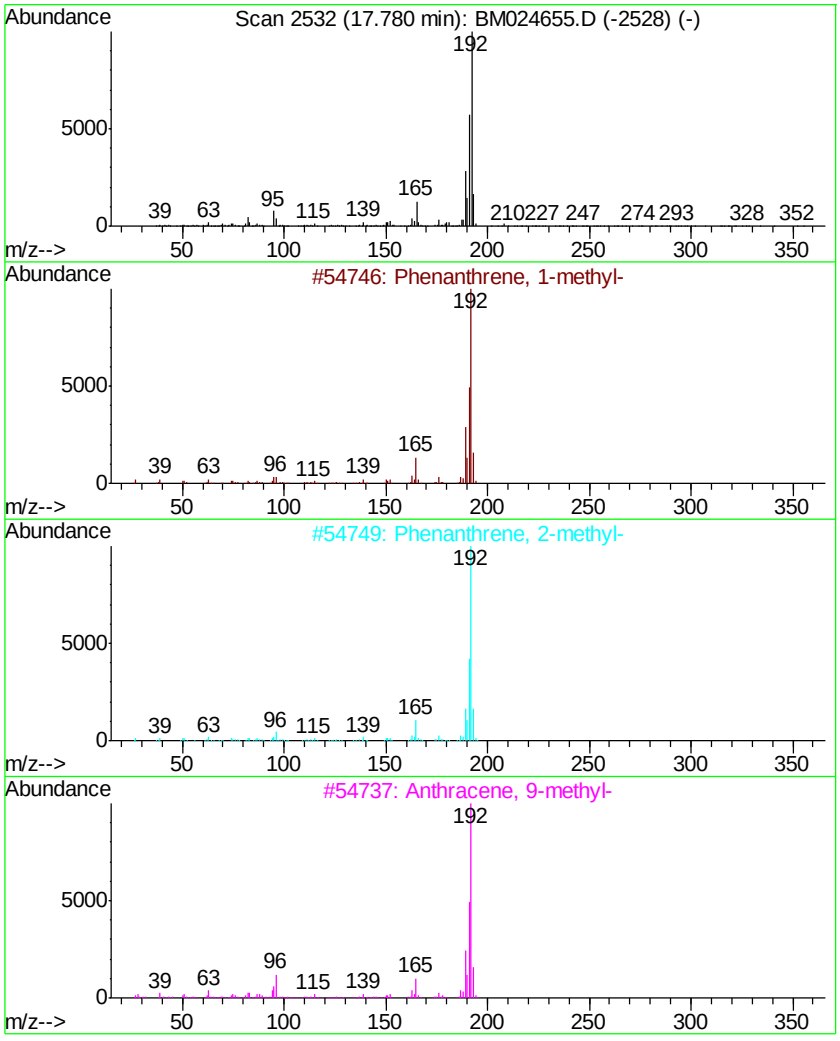
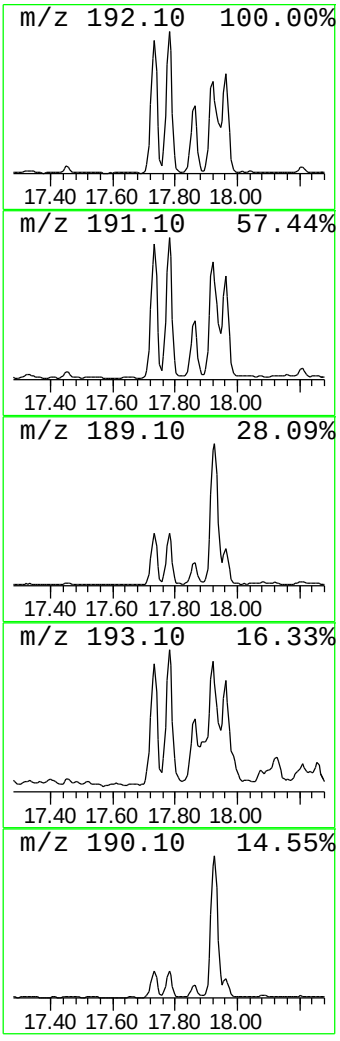
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	93.35 ng	14611900	Phenanthrene-d10	16.85

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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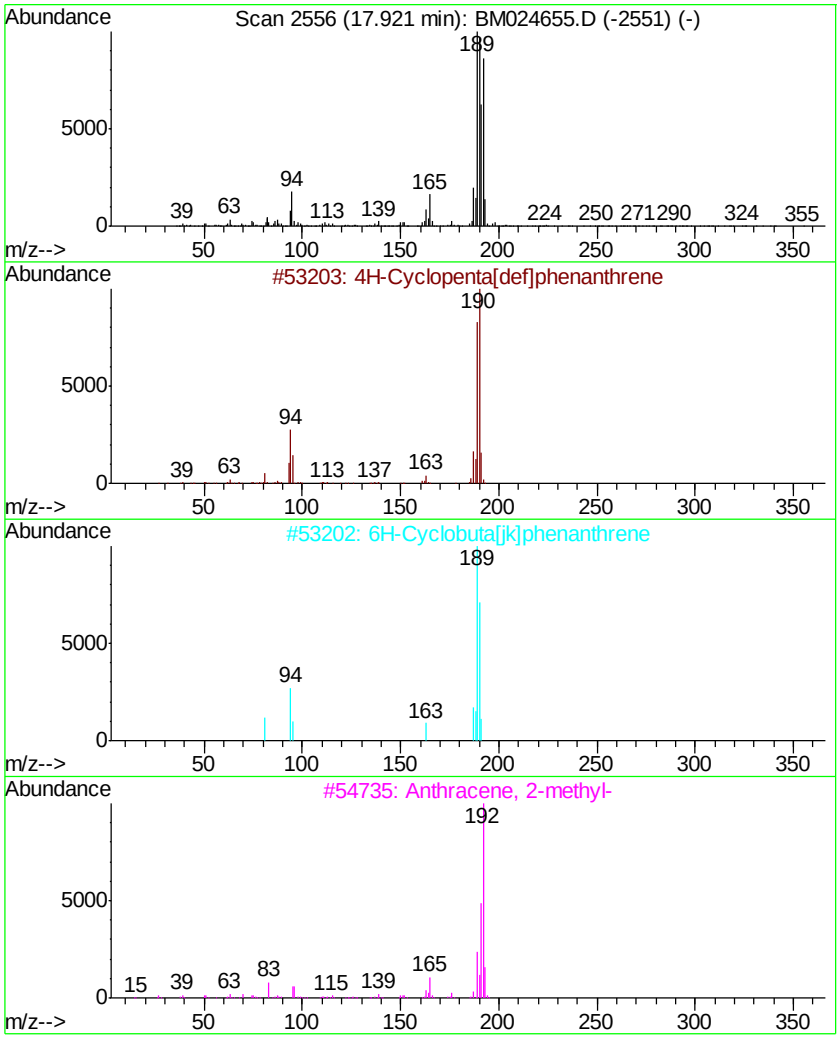
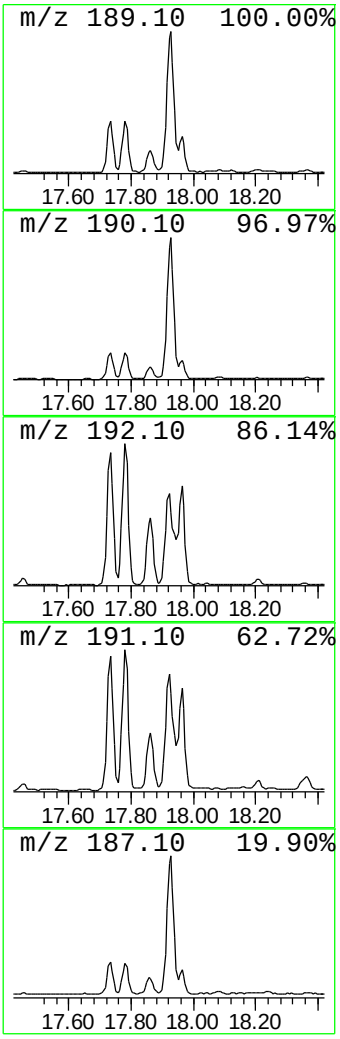
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	140.69 ng	22022200	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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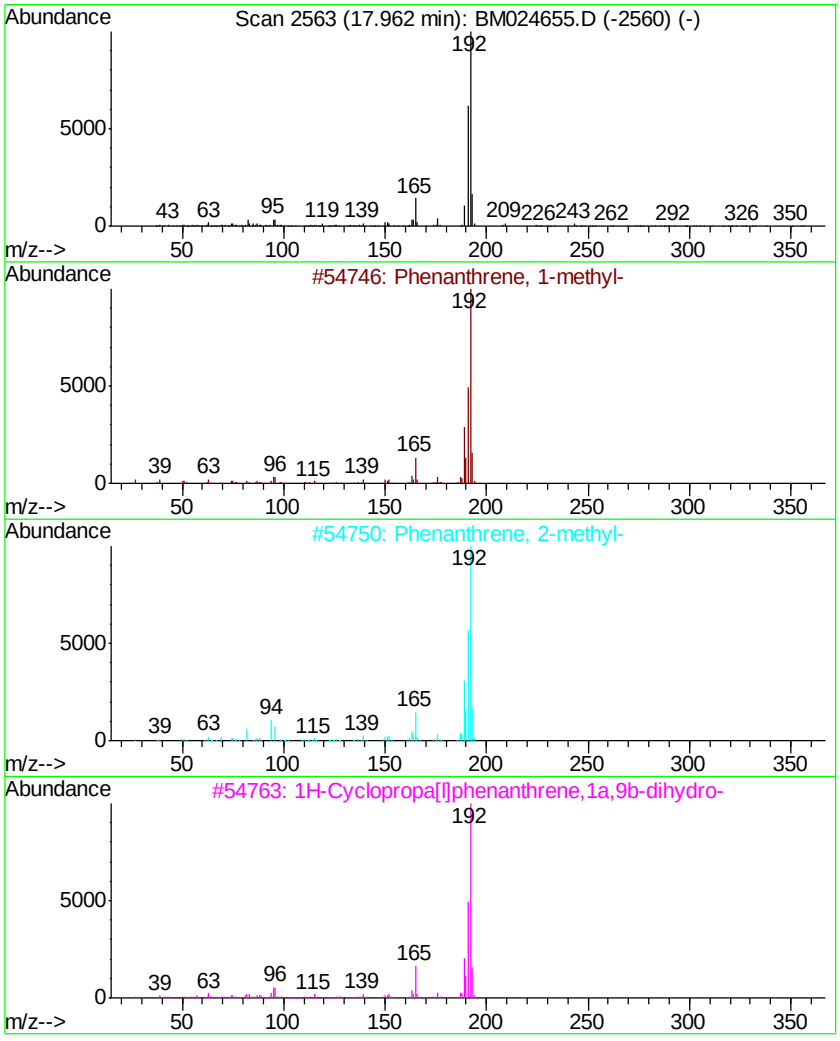
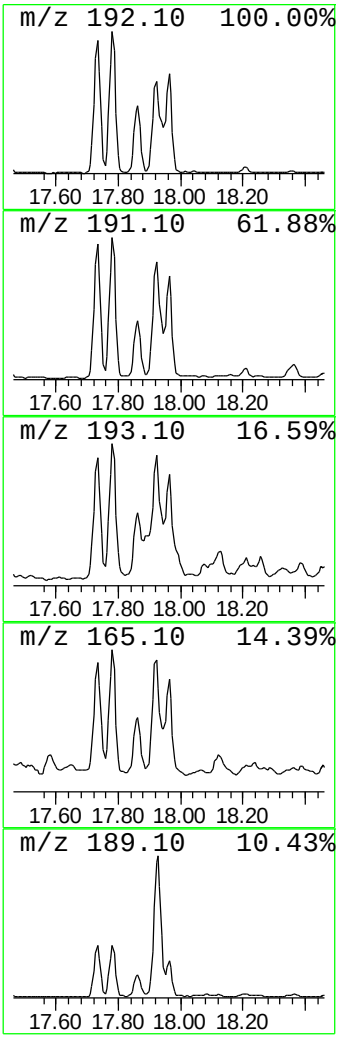
Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	68.84 ng	10776200	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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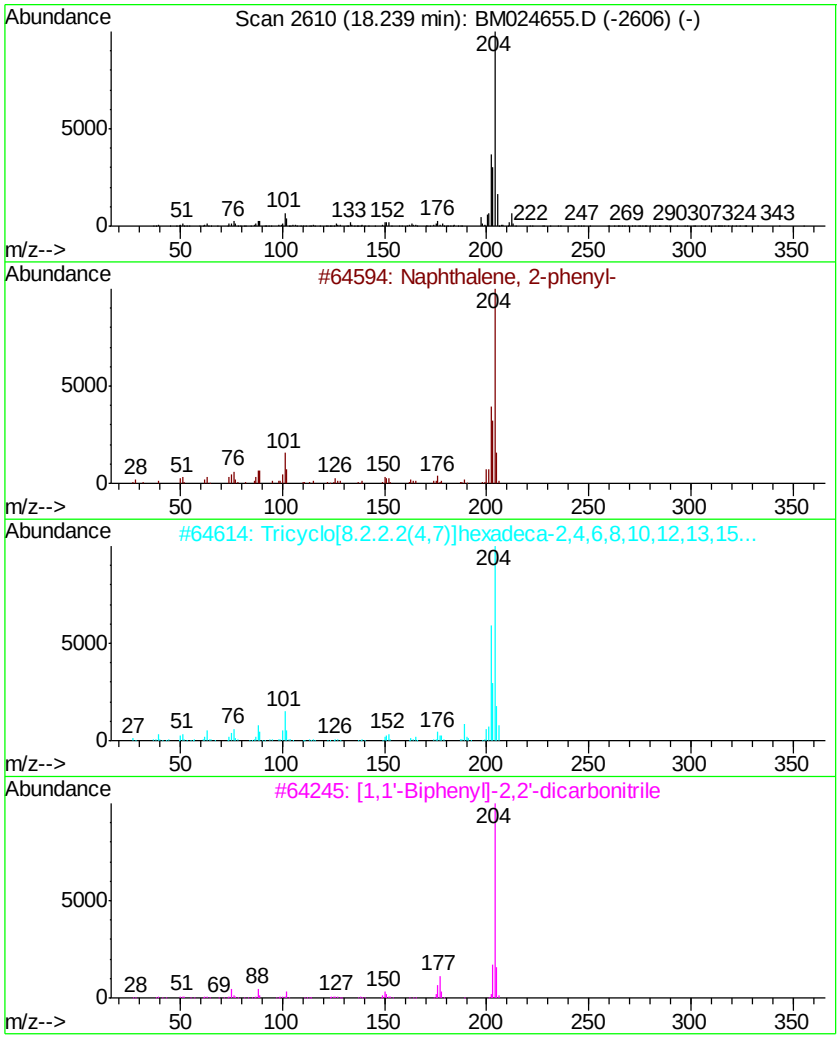
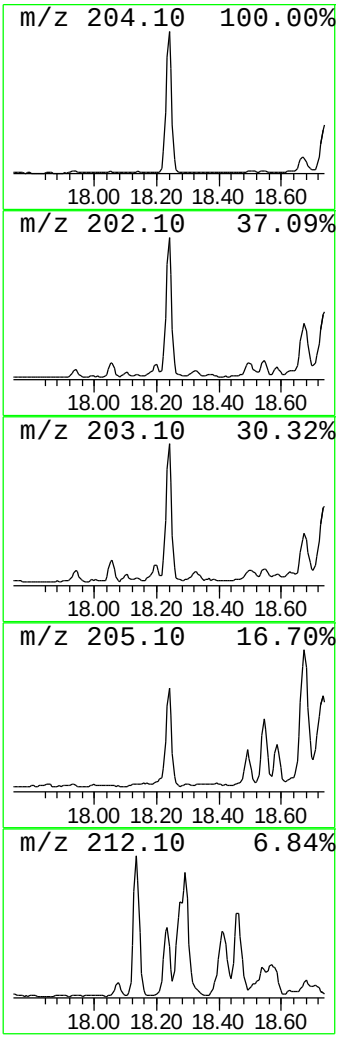
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	25.73 ng	4027690	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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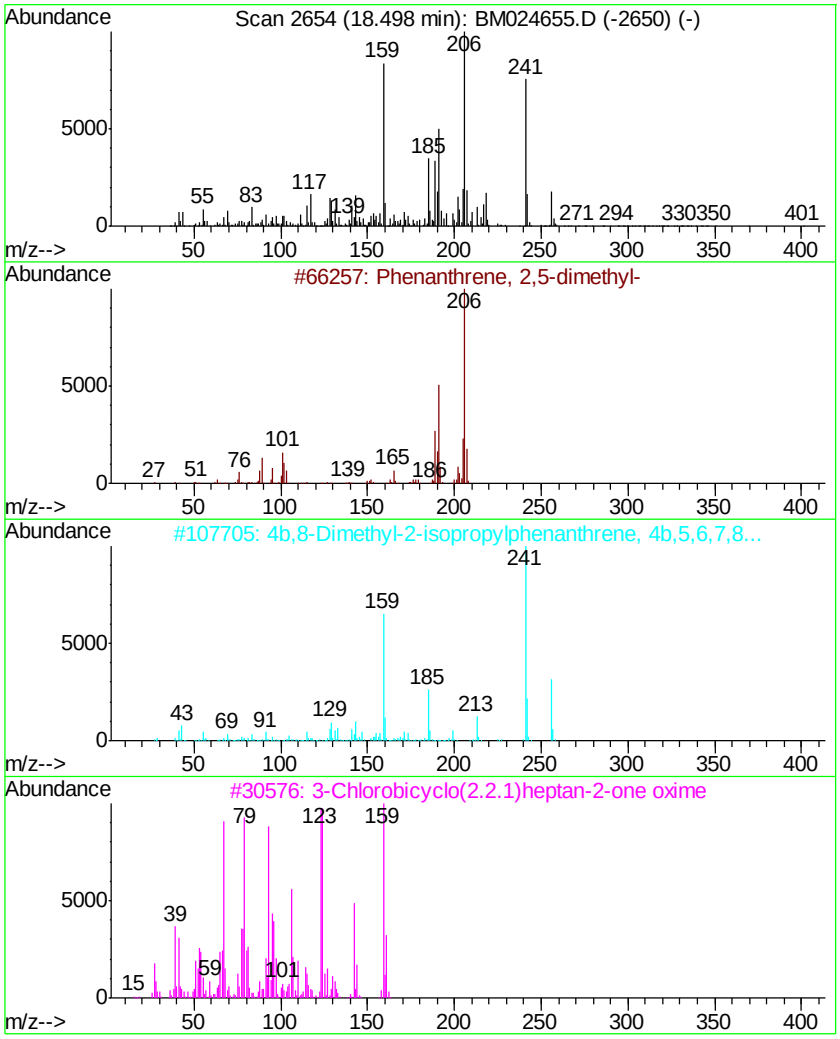
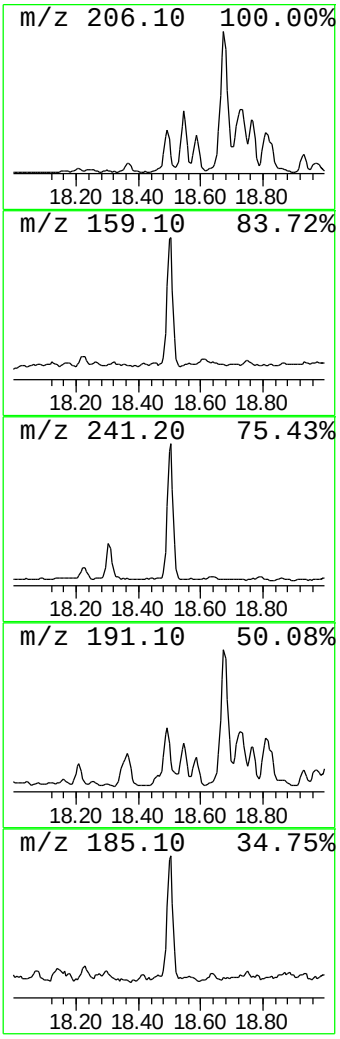
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	26.46 ng	4141760	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	70
3	3-Chlorobicyclo(2.2.1)heptan-2-o...	159	C7H10ClNO	010499-35-1	53
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	51
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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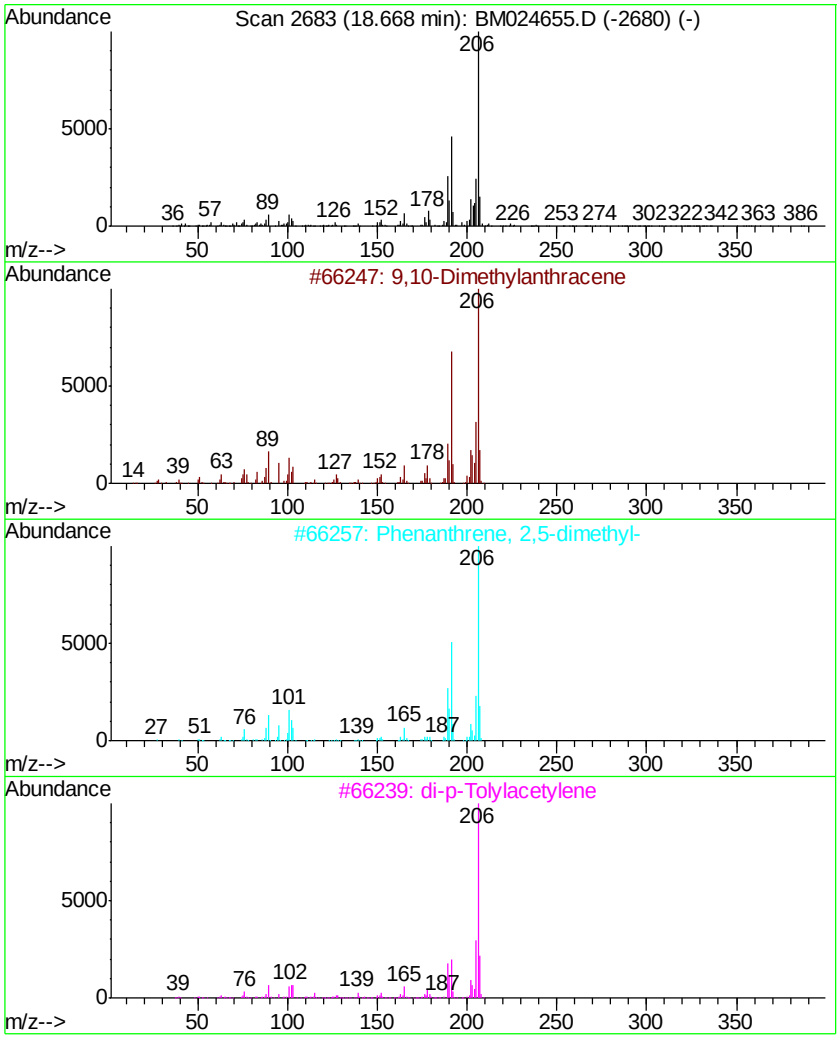
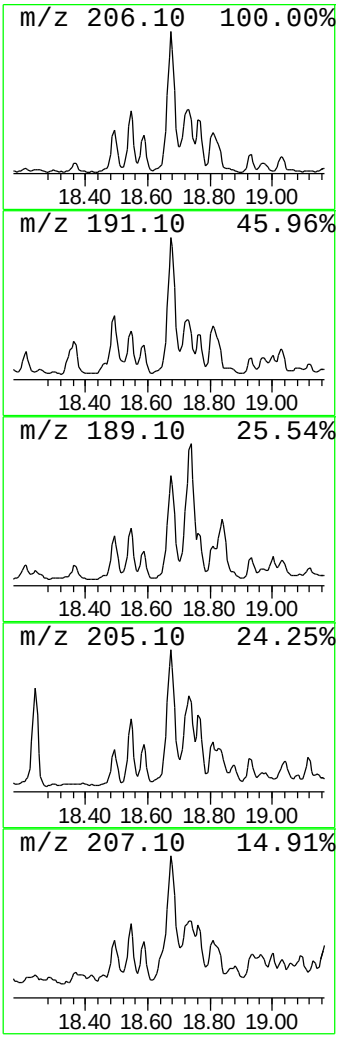
Peak Number 20 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	42.19 ng	6603790	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012920\
Data File : BM024655.D
Acq On : 29 Jan 2020 18:05
Operator : CG/JU
Sample : L1287-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AOC-3-EXC-PIT-(0-5)-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.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
Octane, 2,6-dimet...	11.28	21.9	ng	4508300	2	10.20	4119810	20.0
Naphthalene, 2,7-...	13.42	45.4	ng	20514900	3	14.10	9030160	20.0
Naphthalene, 1,3-...	13.47	22.0	ng	9919160	3	14.10	9030160	20.0
Pentadecane, 2,6,...	15.90	53.3	ng	8336960	4	16.85	3130720	20.0
9H-Fluorene, 1-me...	16.17	72.4	ng	11339900	4	16.85	3130720	20.0
9H-Fluorene, 4-me...	16.22	35.9	ng	5616130	4	16.85	3130720	20.0
9H-Fluorene, 3-me...	16.31	28.2	ng	4407920	4	16.85	3130720	20.0
Dibenzothiophene	16.67	31.4	ng	4922130	4	16.85	3130720	20.0
Pentadecane	16.72	35.1	ng	5491100	4	16.85	3130720	20.0
2,4-Diphenyl-4-me...	17.06	34.2	ng	5355760	4	16.85	3130720	20.0
4-Methylnaphtho[1...	17.43	24.1	ng	3778640	4	16.85	3130720	20.0
Dibenzothiophene,...	17.58	22.4	ng	3500980	4	16.85	3130720	20.0
Phenanthrene, 2-m...	17.73	84.8	ng	13269700	4	16.85	3130720	20.0
Phenanthrene, 1-m...	17.78	93.3	ng	14611900	4	16.85	3130720	20.0
4H-Cyclopenta[def...	17.92	140.7	ng	22022200	4	16.85	3130720	20.0
1H-Cyclopropa[l]p...	17.96	68.8	ng	10776200	4	16.85	3130720	20.0
Naphthalene, 2-ph...	18.24	25.7	ng	4027690	4	16.85	3130720	20.0
Phenanthrene, 2,5...	18.50	26.5	ng	4141760	4	16.85	3130720	20.0
9,10-Dimethylanth...	18.67	42.2	ng	6603790	4	16.85	3130720	20.0