LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

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-BP073020.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	2.952	7	11	27	rVB	1828678	2562042	17.87%	0.475%
2	5.293	402	409	422	rBV	3645511	5388392	37.58%	1.000%
3	6.863	668	676	685	rVB	3457487	6739561	47.01%	1.250%
4	7.687	810	816	821	rVB2	3176762	5516340	38.47%	1.023%
5	7.799	825	835	843	rVV4	734784	2771185	19.33%	0.514%
6	7.893	844	851	855	rVV3	932745	1895091	13.22%	0.352%
7	7.969	859	864	874	rVV5	932653	2634465	18.37%	0.489%
8	8.240	906	910	916	rVB4	1068016	2329043	16.24%	0.432%
9	8.369	928	932	942	rBV3	982645	2321853	16.19%	0.431%
10	8.469	943	949	953	rBV3	1083422	2142596	14.94%	0.397%
11	8.793	995	1004	1008	rBV2	3849771	8599349	59.98%	1.595%
12	9.028	1036	1044	1053	rVB6	1993145	6609006	46.10%	1.226%
13	9.122	1053	1060	1065	rBV2	2130185	5003903	34.90%	0.928%
14	9.310	1088	1092	1096	rVB	1467719	1969995	13.74%	0.365%
15	9.369	1096	1102	1106	rBV2	2390436	4795572	33.45%	0.890%
16	9.575	1131	1137	1141	rVV4	1845407	3720203	25.95%	0.690%
17	9.675	1148	1154	1162	rVB5	3281453	8762731	61.12%	1.625%
18	9.763	1164	1169	1176	rBV3	1687419	3621649	25.26%	0.672%
19	9.875	1179	1188	1194	rVV5	5593411	13341016	93.05%	2.475%
20	9.951	1195	1201	1206	rVB2	3584367	6571772	45.84%	1.219%
21	10.040	1211	1216	1219	rBV2	2808665	4903239	34.20%	0.910%
22	10.187	1235	1241	1245	rBV	3366974	5513580	38.46%	1.023%
23	10.269	1245	1255	1260	rVV3	1815086	4274470	29.81%	0.793%
24	10.357	1265	1270	1273	rBV3	1773272	3184980	22.21%	0.591%
25	10.393	1273	1276	1280	rVB2	1838607	2550050	17.79%	0.473%
26	10.457	1280	1287	1294	rBV2	6218152	12475001	87.01%	2.314%
27	10.528	1294	1299	1302	rBV2	3821698	6319252	44.07%	1.172%
28	10.593	1307	1310	1318	rVB	4427558	8179201	57.05%	1.517%
29	10.669	1318	1323	1326	rBV	3923777	6846811	47.75%	1.270%
30	10.698	1326	1328	1337	rVB2	2247154	4210633	29.37%	0.781%
31	10.787	1339	1343	1349	rVB2	1801037	3188040	22.24%	0.591%
32	10.851	1349	1354	1357	rBV2	1357562	2325237	16.22%	0.431%
33	10.940	1357	1369	1373	rBV3	3933885	10892948	75.97%	2.021%
34	11.057	1384	1389	1393	rBV2	3062403	5294392	36.93%	0.982%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

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-BP073020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1393	1396	1399	rVV2	1485531	2143583	14.95%	0.398%
36	11.140	1399	1403	1405	rVV	2174694	3115733	21.73%	0.578%
37	11.193	1405	1412	1416	rVB6	3079010	7903880	55.13%	1.466%
38	11.263	1416	1424	1430	rBV3	2670219	5924292	41.32%	1.099%
39	11.340	1433	1437	1441	rBV3	1925183	2944211	20.53%	0.546%
40	11.393	1441	1446	1450	rBV2	3819334	6009154	41.91%	1.115%
41	11.540	1463	1471	1475	rBV3	5997762	13693377	95.51%	2.540%
42	11.587	1476	1479	1485	rVB	3410630	5680058	39.62%	1.054%
43	11.675	1486	1494	1498	rBV2	4879286	10078886	70.30%	1.870%
44	11.869	1522	1527	1530	rBV2	2780095	4660039	32.50%	0.864%
45	11.957	1536	1542	1544	rBV4	1672516	3641701	25.40%	0.676%
46	12.034	1550	1555	1559	rVB2	4554484	8519521	59.42%	1.580%
47	12.110	1564	1568	1574	rBV4	1904218	3883617	27.09%	0.720%
48	12.251	1584	1592	1596	rBV5	2142158	5750191	40.11%	1.067%
49	12.351	1606	1609	1613	rVB2	1547058	1856824	12.95%	0.344%
50	12.410	1613	1619	1623	rBV5	6751285	13106058	91.41%	2.431%
51	12.457	1624	1627	1630	rBV3	1893492	2966848	20.69%	0.550%
52	12.545	1636	1642	1645	rBV5	2251416	5045799	35.19%	0.936%
53	12.716	1669	1671	1675	rVB2	2749901	3138925	21.89%	0.582%
54	12.775	1676	1681	1685	rVB6	1607081	3454736	24.10%	0.641%
55	12.822	1685	1689	1691	rBV2	1683564	2369943	16.53%	0.440%
56	12.898	1696	1702	1706	rVV3	4133274	9826872	68.54%	1.823%
57	12.945	1707	1710	1715	rVB	3477396	5015945	34.98%	0.930%
58	12.998	1715	1719	1723	rBV4	1617050	3109730	21.69%	0.577%
59	13.128	1737	1741	1744	rBV2	2258929	3633877	25.35%	0.674%
60	13.210	1752	1755	1757	rBV	1576933	2231217	15.56%	0.414%
61	13.281	1762	1767	1772	rVV3	5985260	11420578	79.65%	2.118%
62	13.334	1772	1776	1784	rVB4	2838425	6400210	44.64%	1.187%
63	13.498	1799	1804	1808	rBV2	4714218	8952163	62.44%	1.661%
64	13.657	1821	1831	1836	rBV4	4547850	14337584	100.00%	2.660%
65	13.710	1836	1840	1845	rVB2	5730012	9131228	63.69%	1.694%
66	13.769	1846	1850	1854	rBV3	3939906	6385363	44.54%	1.184%
67	13.857	1860	1865	1873	rBV4	5405488	12076023	84.23%	2.240%
68	13.922	1874	1876	1881	rVB2	3949277	5355687	37.35%	0.993%
69	14.063	1896	1900	1903	rBV3	1883349	2905372	20.26%	0.539%
70	14.387	1952	1955	1958	rBV3	2214793	3262658	22.76%	0.605%
71	14.551	1978	1983	1991	rBV	3995241	10865106	75.78%	2.015%

LSC Area Percent Report

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Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

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-BP073020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.634	1995	1997	2001	rVB3	2361626	2458569	17.15%	0.456%
73	14.822	2025	2029	2034	rVB	5507039	7639838	53.29%	1.417%
74	14.963	2049	2053	2058	rBV	4890375	9752004	68.02%	1.809%
75	15.016	2059	2062	2066	rVB2	4420901	6326143	44.12%	1.173%
76	15.445	2130	2135	2139	rBV3	3175970	7046740	49.15%	1.307%
77	15.516	2144	2147	2151	rVB4	3967770	5393527	37.62%	1.000%
78	15.610	2160	2163	2164	rBV2	2587679	2789551	19.46%	0.517%
79	15.916	2211	2215	2220	rVB5	2259438	3476374	24.25%	0.645%
80	16.075	2239	2242	2245	rBV3	2686476	3512014	24.50%	0.651%
81	16.128	2246	2251	2256	rVB	6289920	10397188	72.52%	1.929%
82	16.210	2262	2265	2269	rVB	2860686	3946706	27.53%	0.732%
83	16.457	2304	2307	2311	rVB2	2741006	3519288	24.55%	0.653%
84	16.945	2386	2390	2395	rVB	5763593	9213404	64.26%	1.709%
85	17.128	2419	2421	2426	rVB2	1746870	2012005	14.03%	0.373%
86	18.010	2568	2571	2578	rVB	4259468	6209247	43.31%	1.152%
87	18.739	2692	2695	2698	rBV	2303097	2645232	18.45%	0.491%
88	18.857	2711	2715	2719	rVB	4094199	5897675	41.13%	1.094%
89	19.039	2744	2746	2751	rVB	1623932	1970925	13.75%	0.366%
90	19.110	2755	2758	2761	rVB	2066495	2311175	16.12%	0.429%
91	19.451	2814	2816	2819	rBV	1565605	1913640	13.35%	0.355%
92	19.539	2827	2831	2836	rVB	3033098	4676440	32.62%	0.867%
93	19.657	2847	2851	2854	rVB	4872941	6208608	43.30%	1.152%
94	21.169	3102	3108	3111	rBV2	2696349	5059441	35.29%	0.938%
95	21.204	3111	3114	3124	rVB	1672060	2381521	16.61%	0.442%
96	22.733	3368	3374	3380	rBV	1440974	3669514	25.59%	0.681%
97	23.310	3467	3472	3481	rVB	1256620	2382065	16.61%	0.442%
98	23.410	3482	3489	3494	rBV	1991608	3821829	26.66%	0.709%
99	25.686	3869	3876	3889	rVB2	792853	2270792	15.84%	0.421%
100	26.380	3987	3994	4009	rVB	635075	1952500	13.62%	0.362%

Sum of corrected areas: 539104542

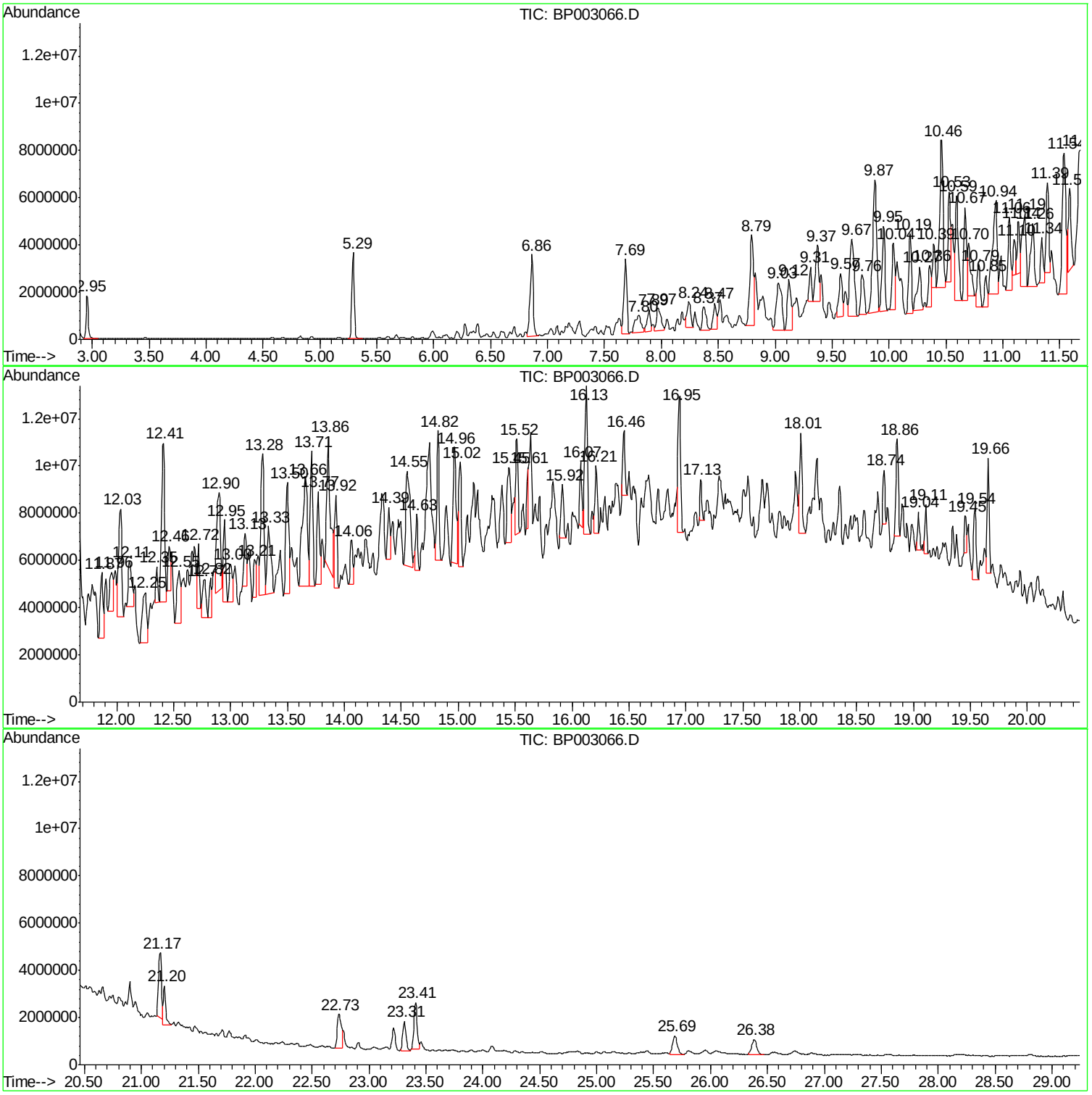
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
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Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

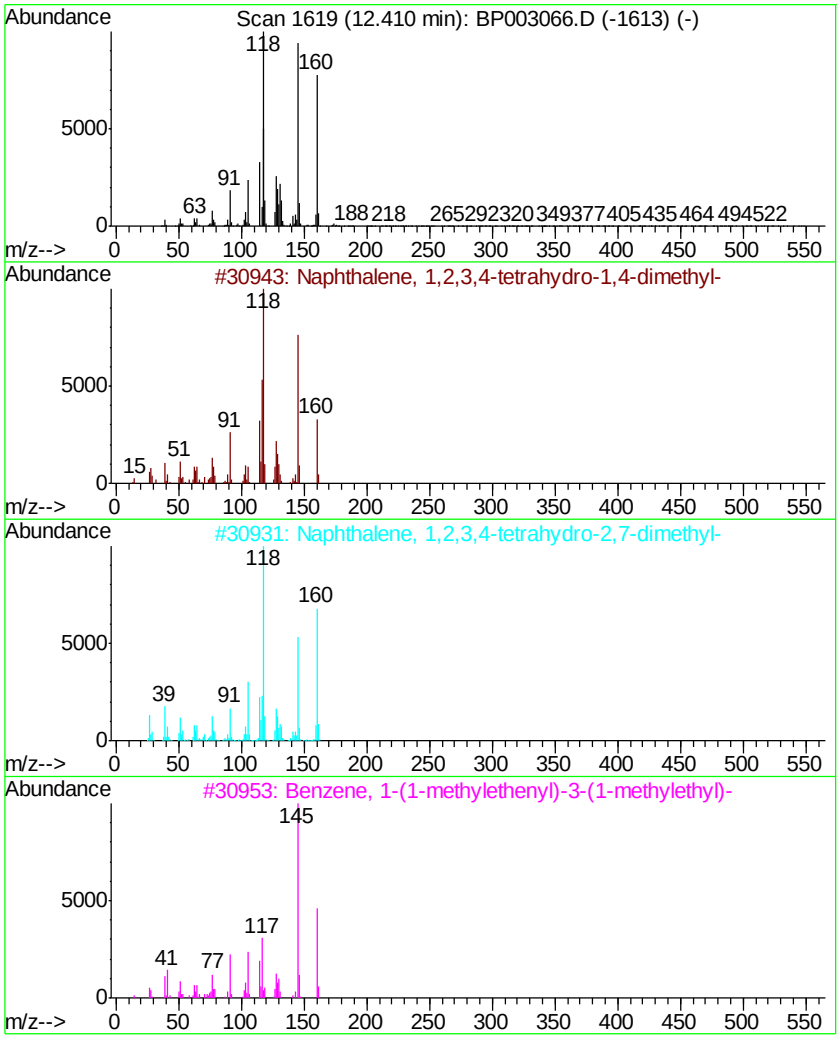
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

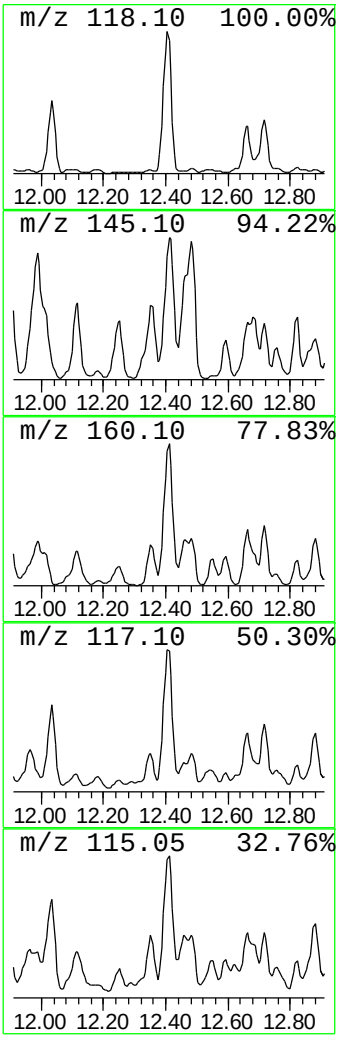
****

Peak Number 1 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	80.34 ng	13106100	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	70
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	58
4	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	55
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

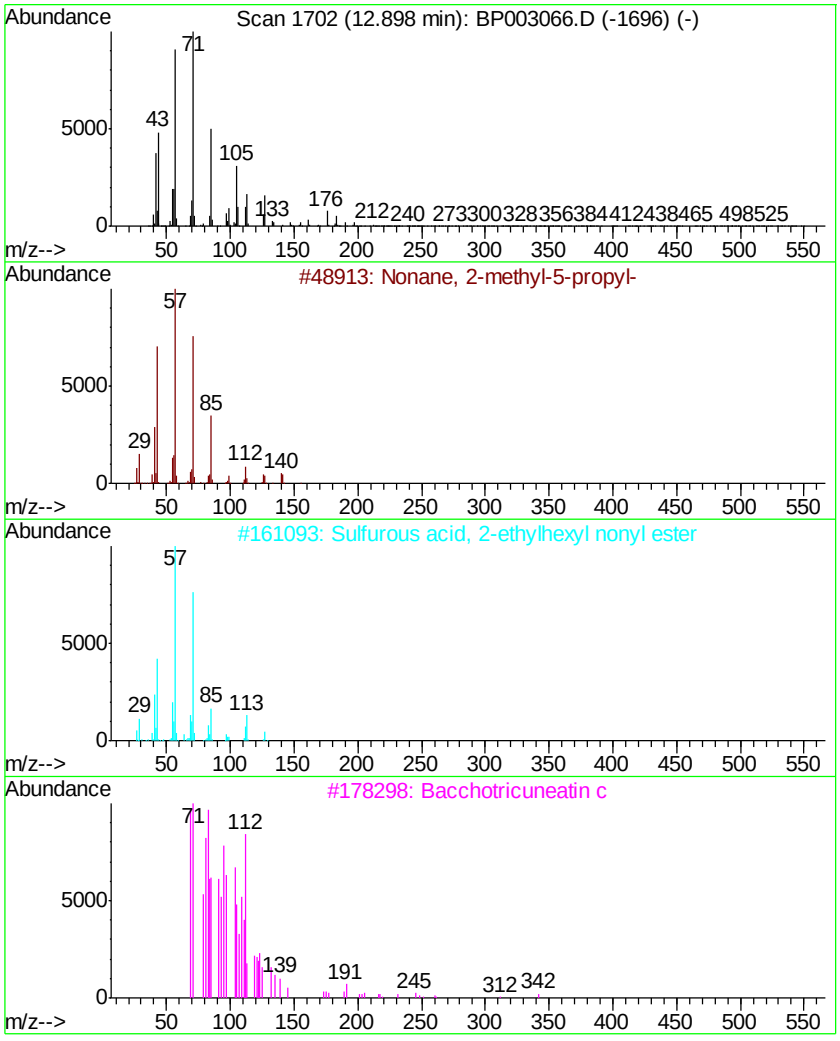
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

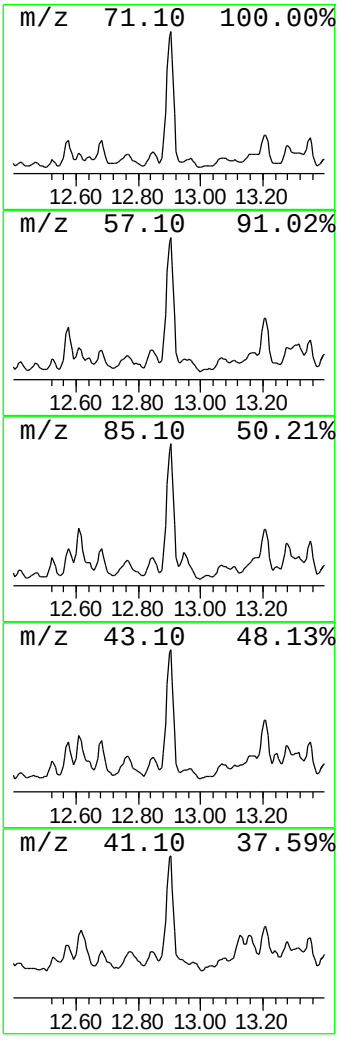
****

Peak Number 2 Nonane, 2-methyl-5-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	60.24 ng	9826870	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	50
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	49
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	49
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	47





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Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

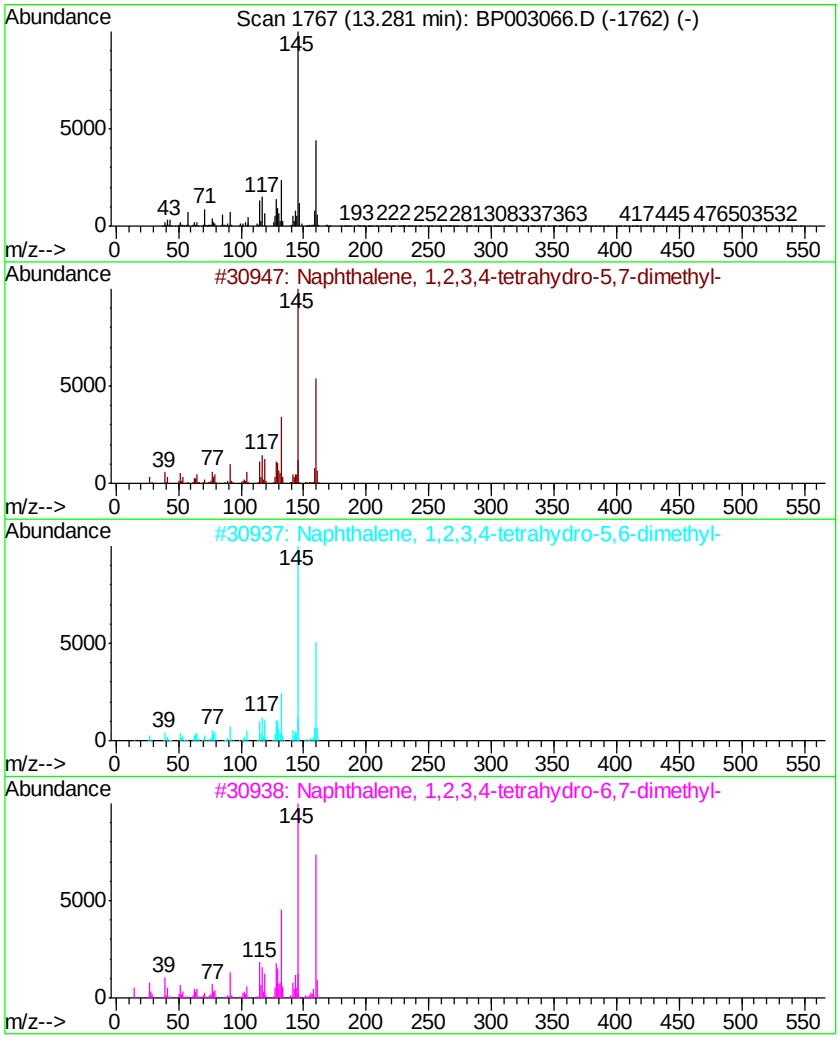
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

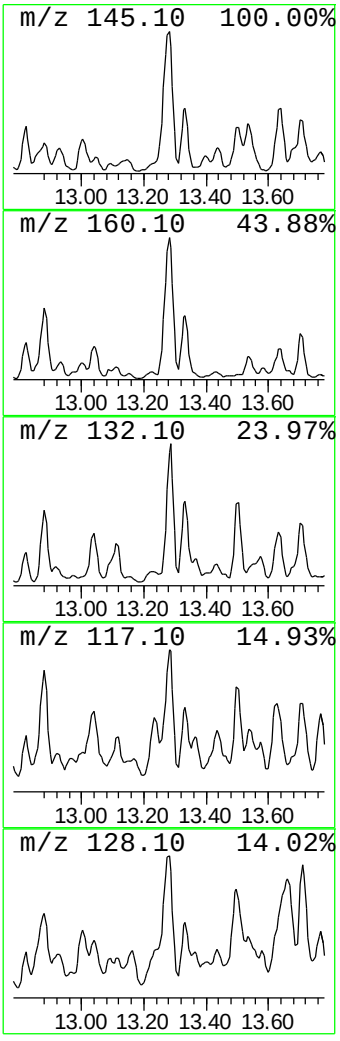
****

Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	70.01 ng	11420600	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

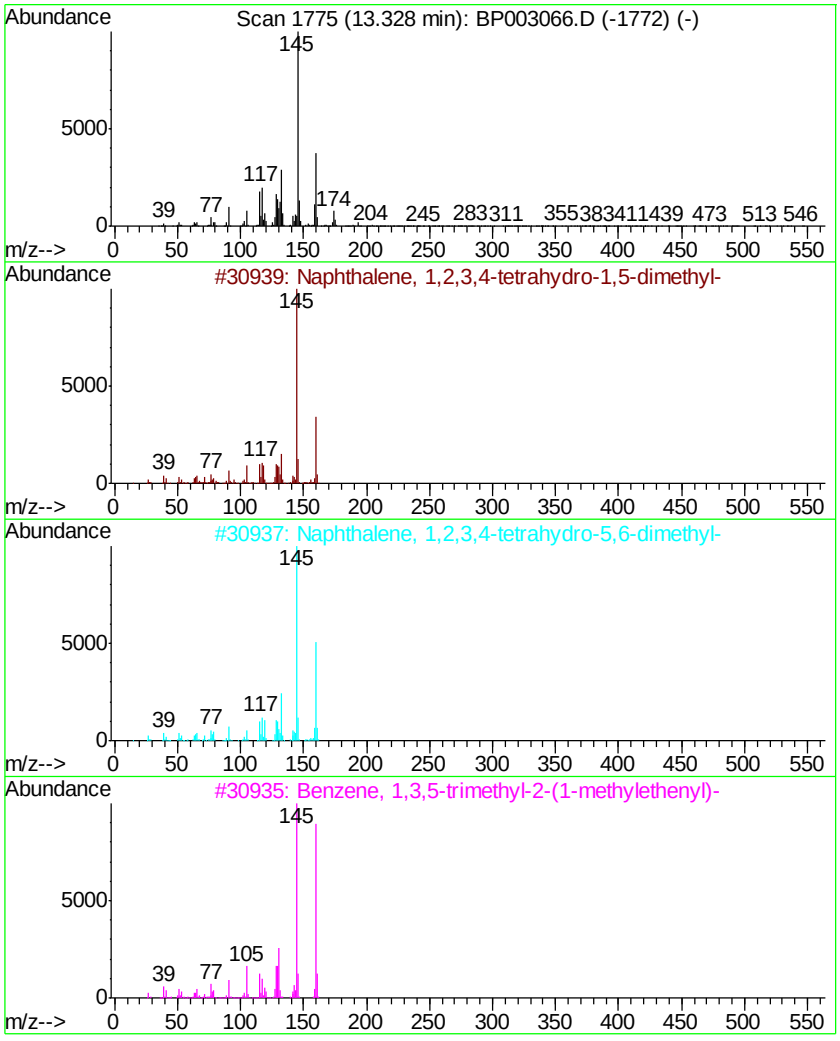
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

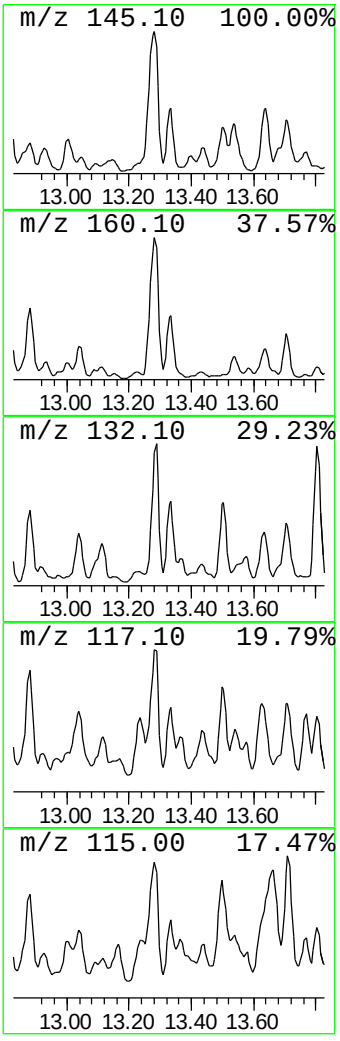
****

Peak Number 4 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	39.23 ng	6400210	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	87
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	86
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

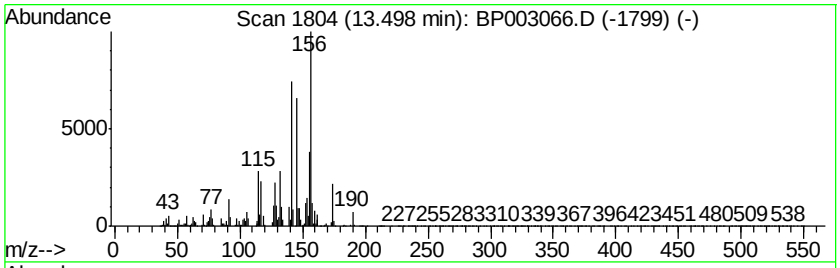
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

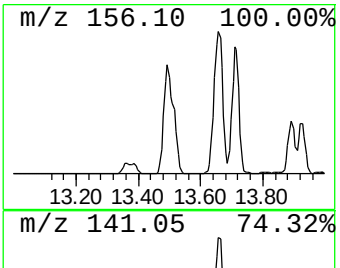
****

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	54.88 ng	8952160	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	92
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	78
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	64
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	64





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Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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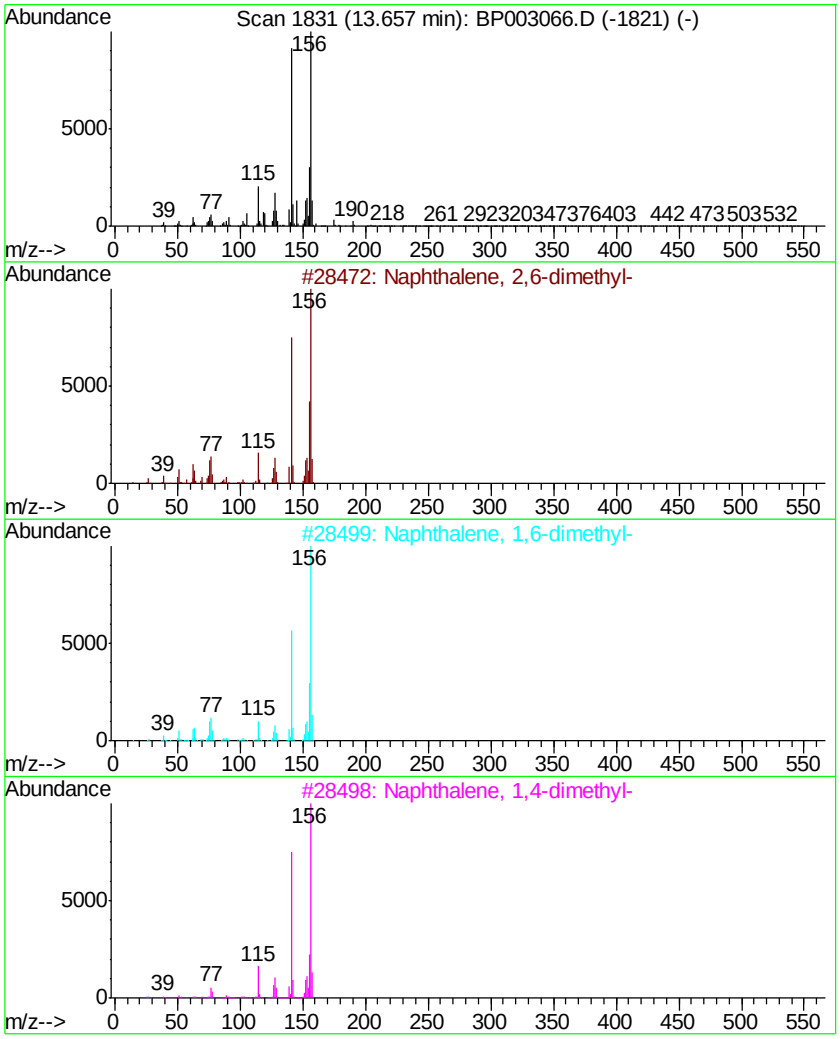
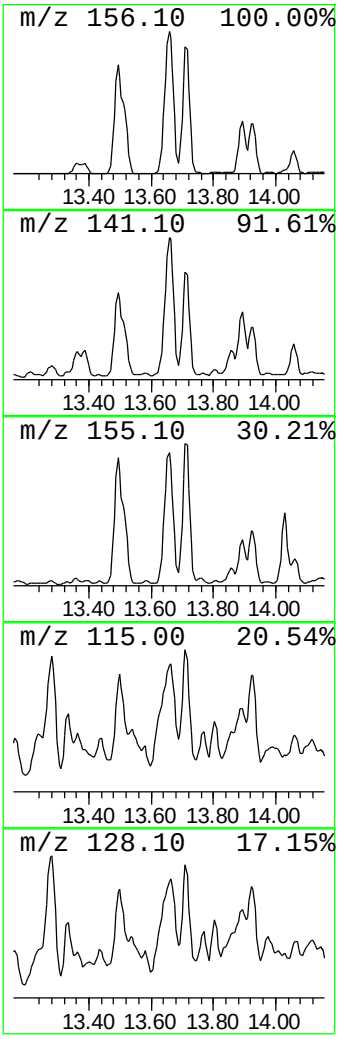
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	87.89 ng	14337600	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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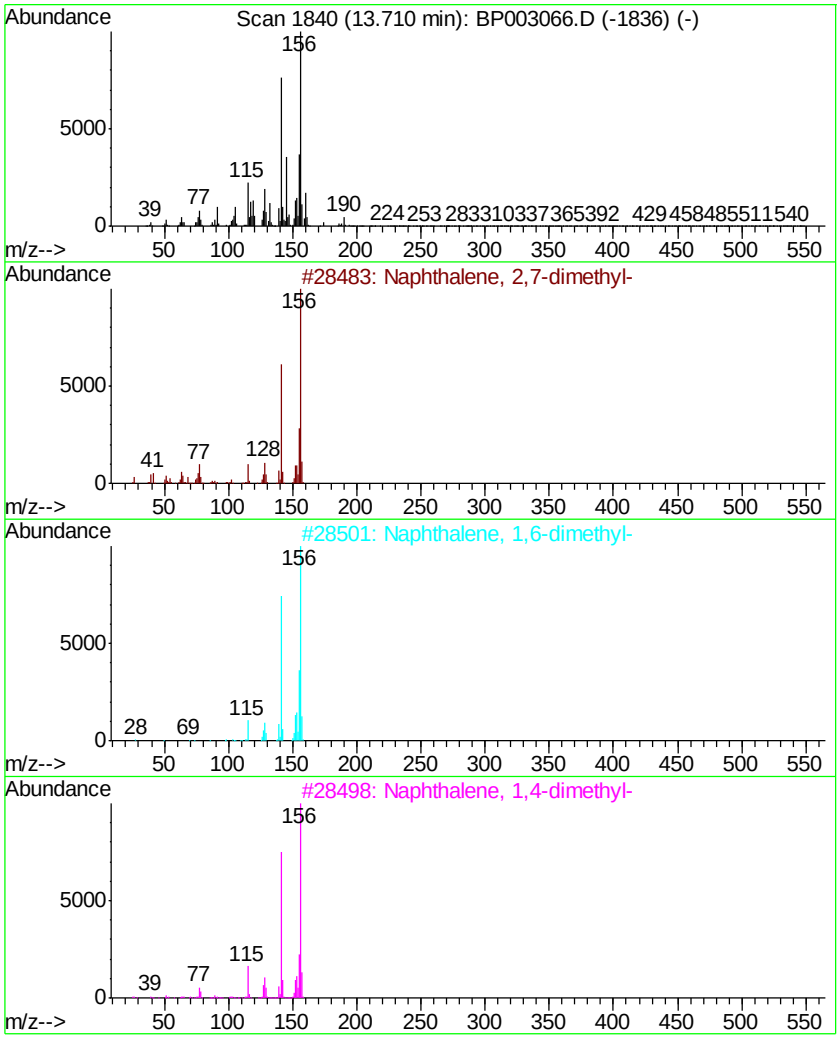
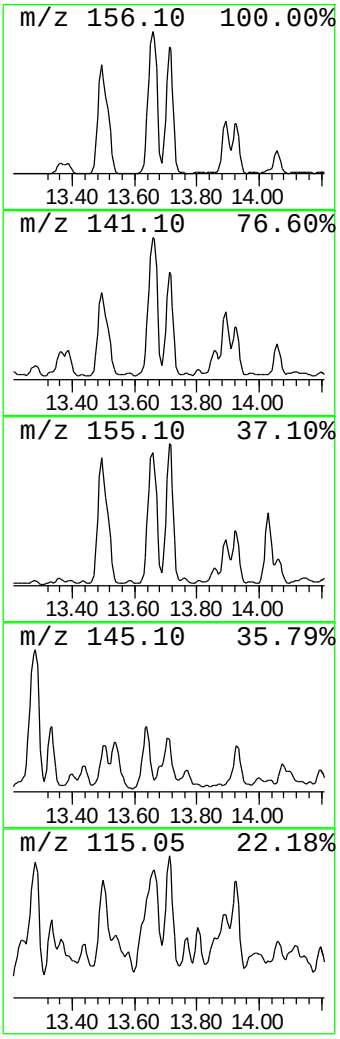
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	55.97 ng	9131230	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93





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Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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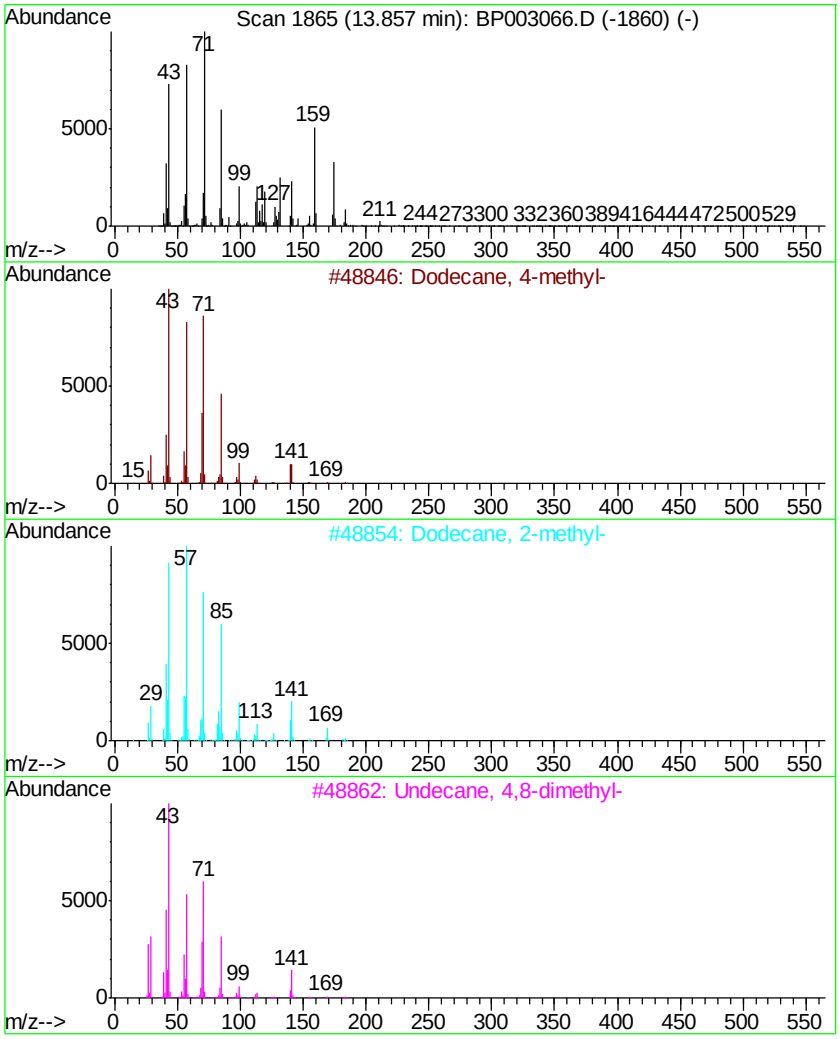
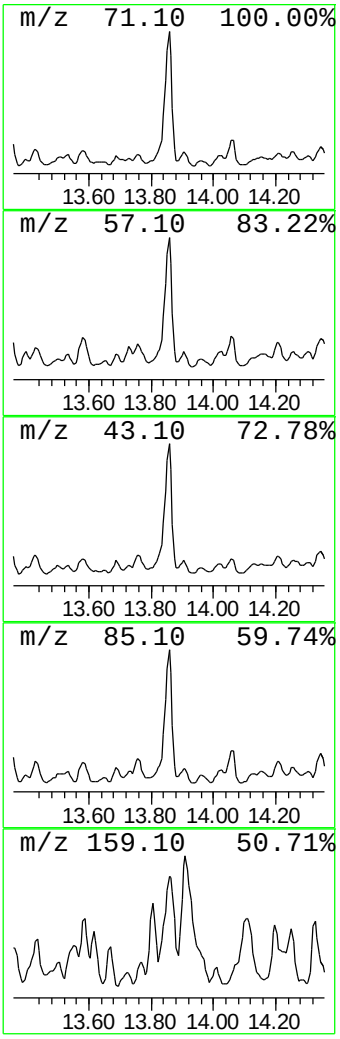
Peak Number 8 unknown13.86 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	74.03 ng	12076000	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	49
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	49
3	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	43
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	43
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38





Library Search Compound Report

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Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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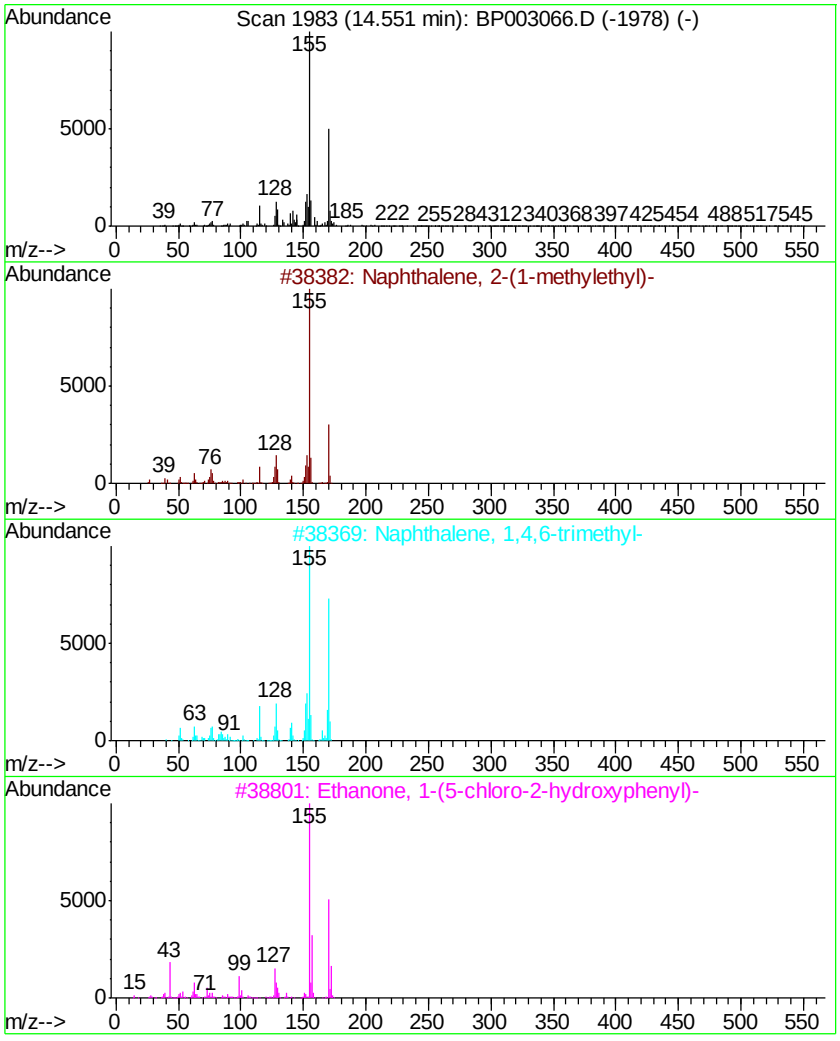
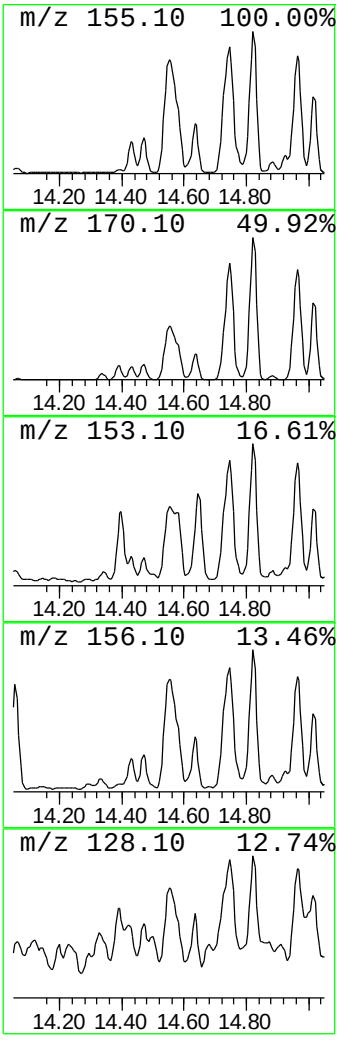
Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	66.60 ng	10865100	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
5	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	70





Library Search Compound Report

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Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
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Instrument : BNA_P
ClientSampleId : E-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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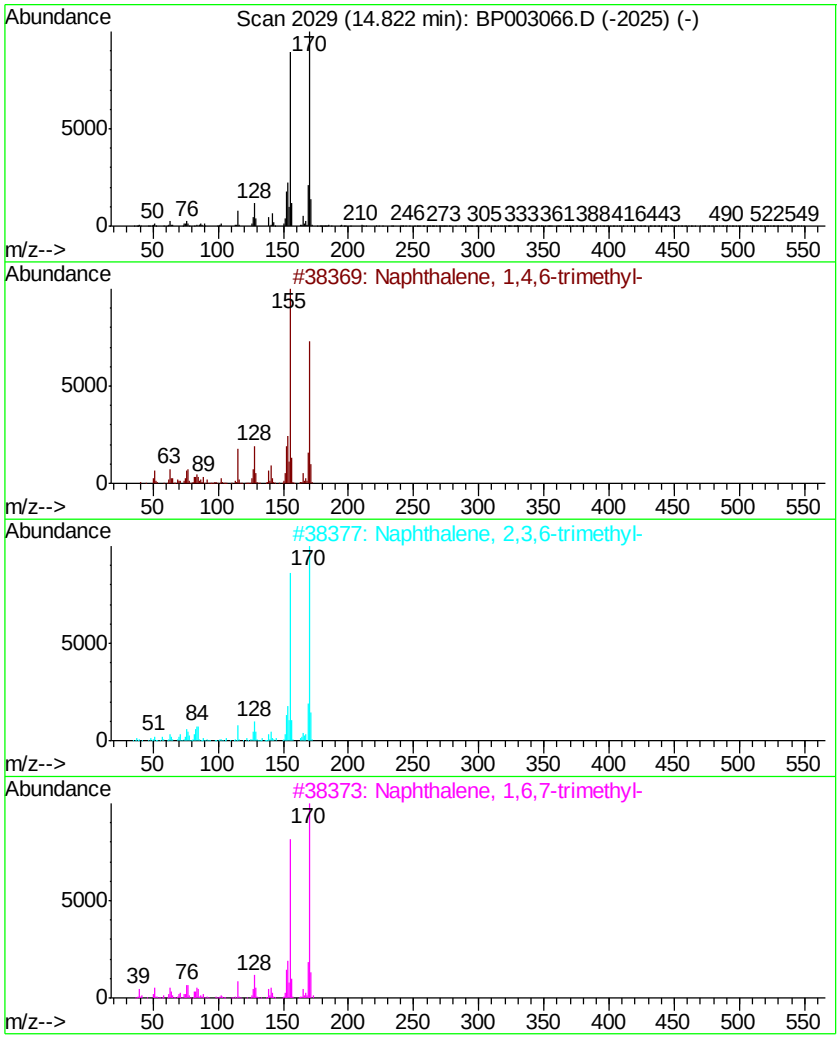
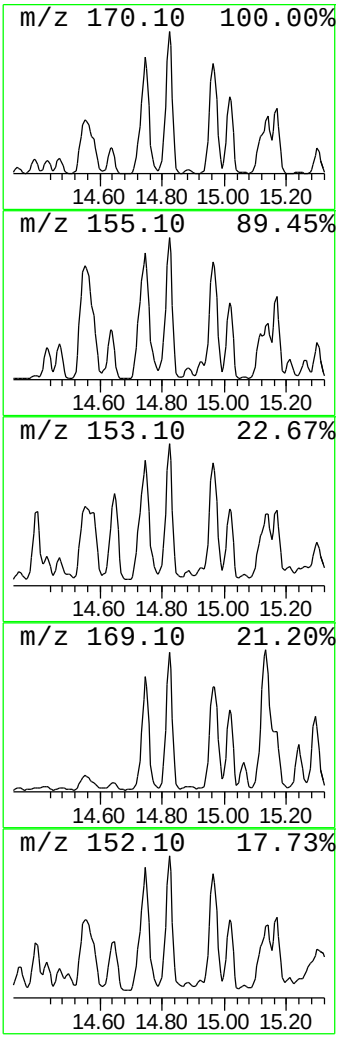
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	46.83 ng	7639840	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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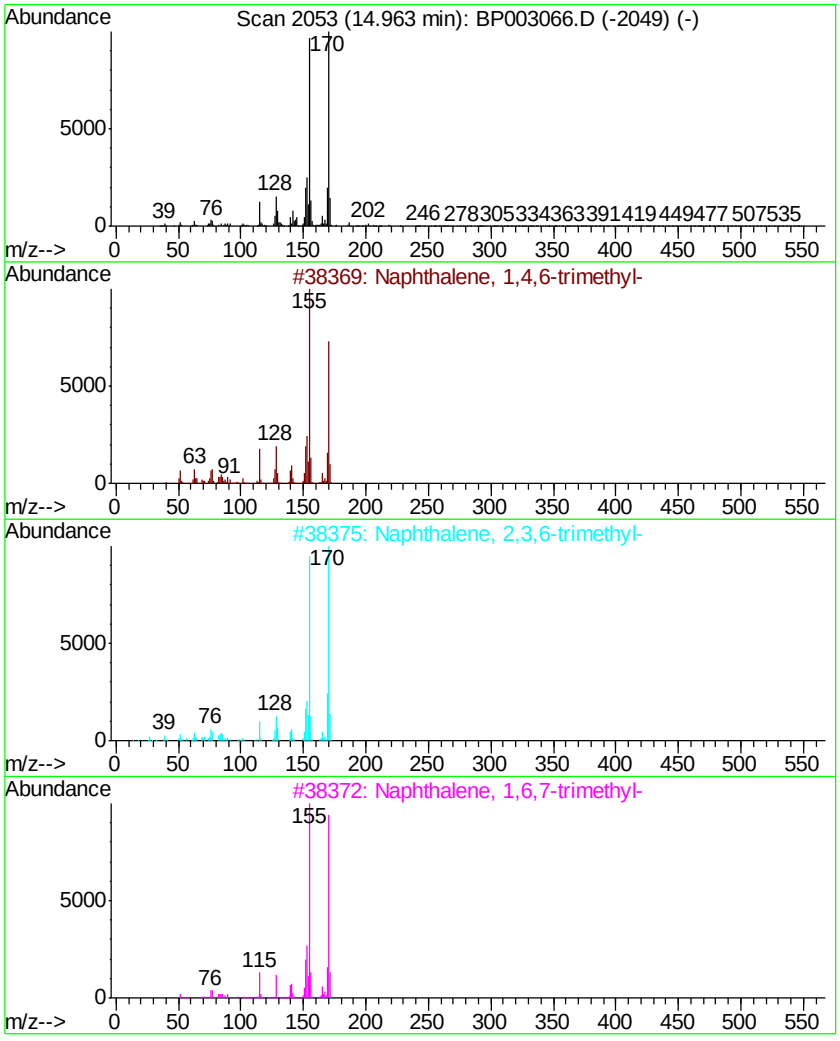
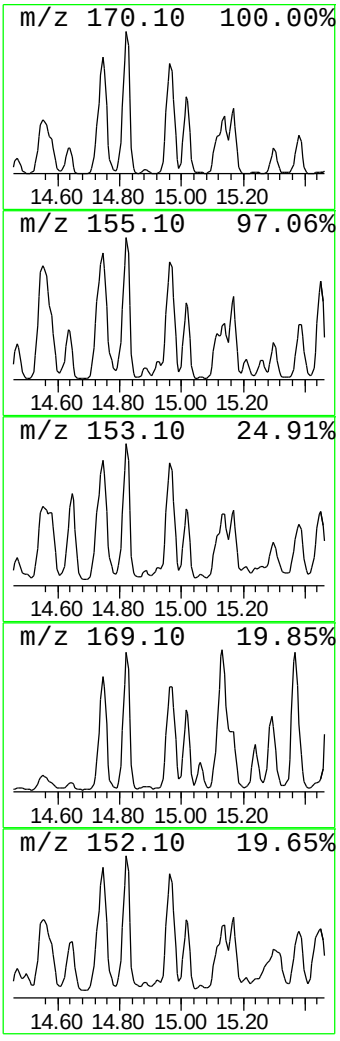
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	59.78 ng	9752000	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90





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Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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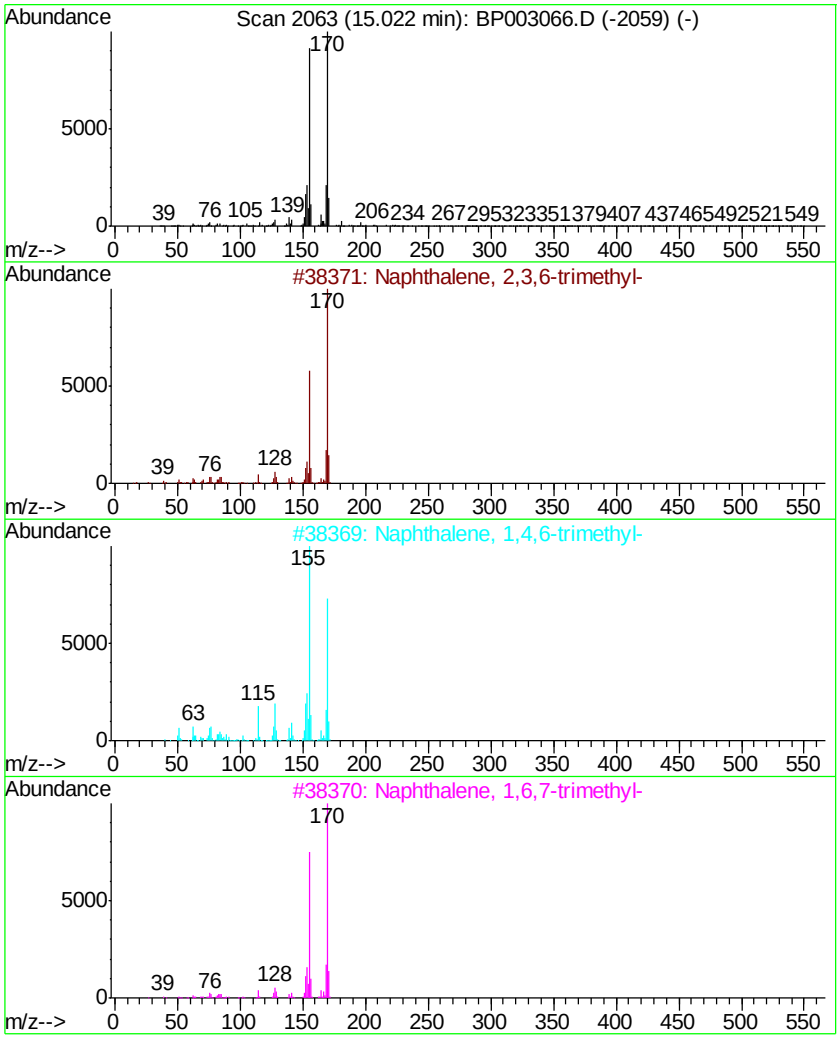
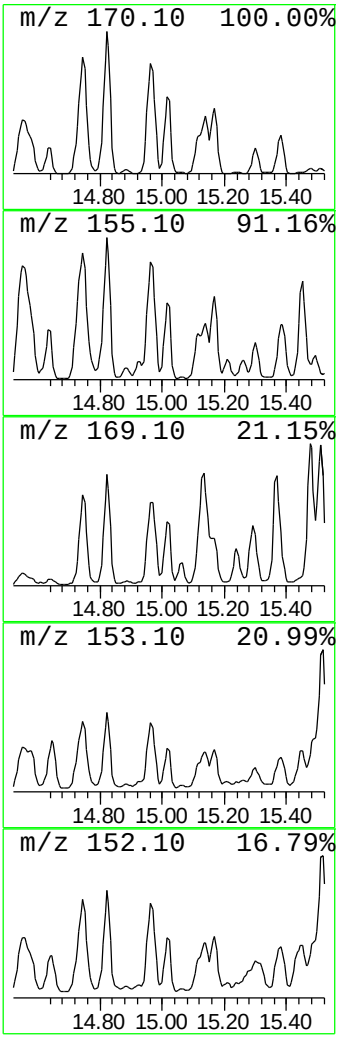
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	38.78 ng	6326140	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87





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Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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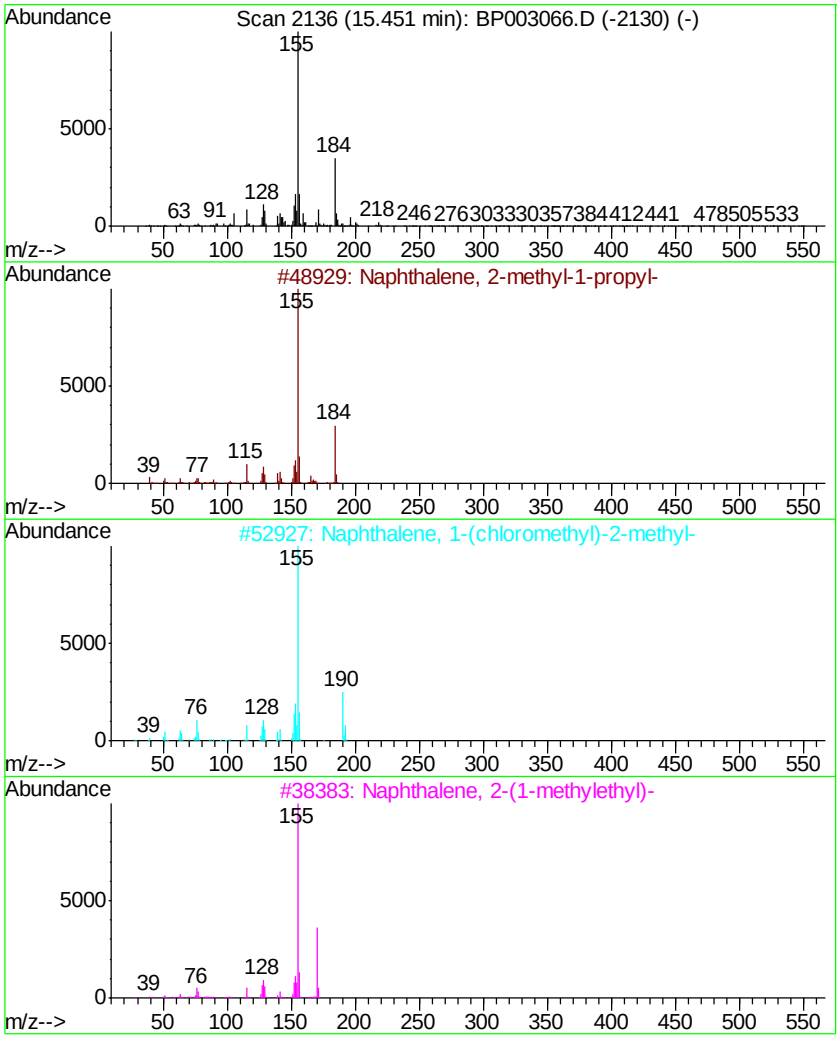
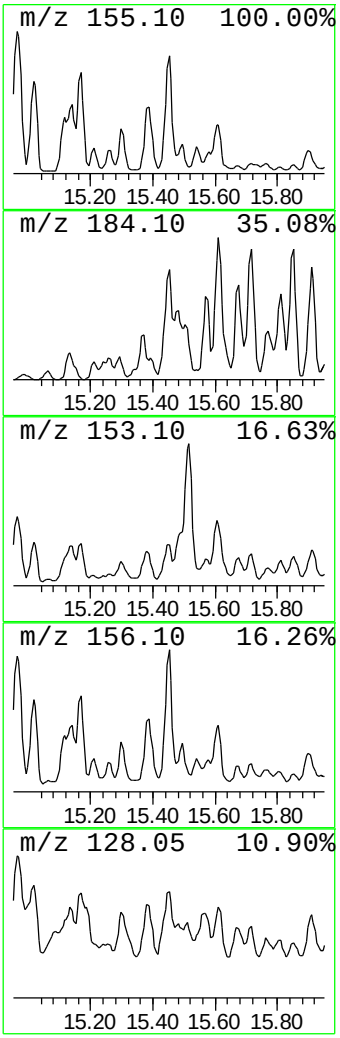
Peak Number 13 Naphthalene, 2-methyl-1-pro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	43.20 ng	7046740	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	93
2	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	59
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	59
4	4-Ethyl-trans-3-thiabicyclo[4.4....	184	C11H20S	1000215-94-2	59
5	1-Naphthaleneacetic acid, 2-methyl-	200	C13H12O2	000085-08-5	55





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : E-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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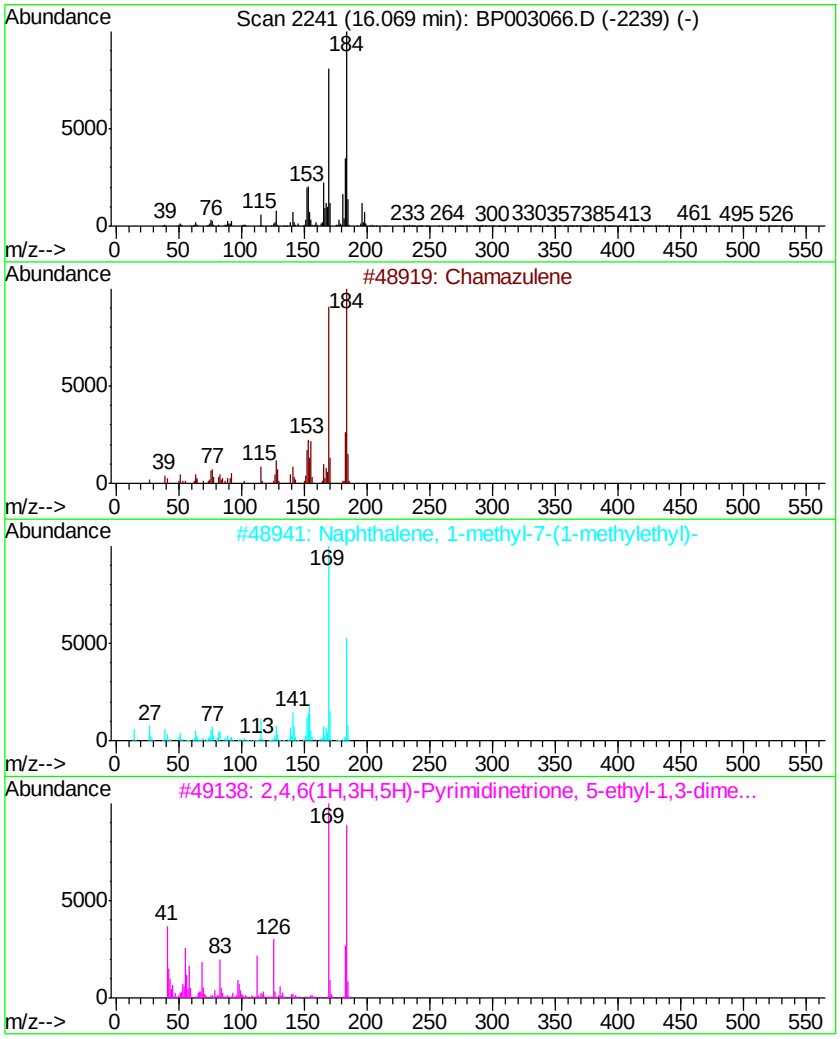
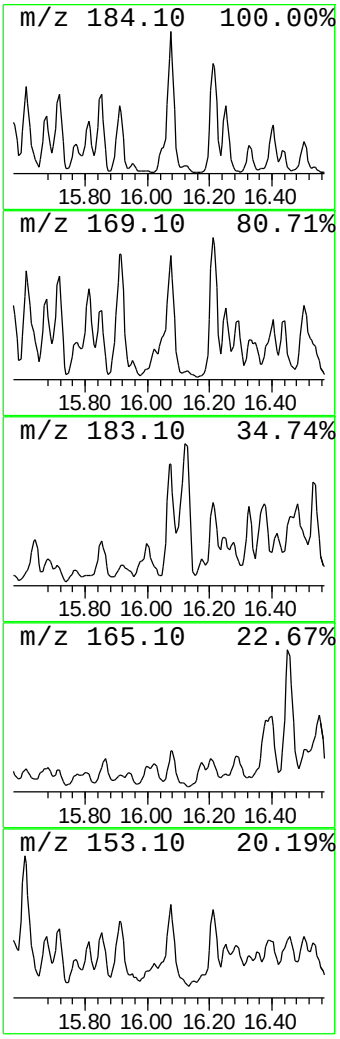
Peak Number 14 Naphthalene, 1-methyl-7-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	34.91 ng	3512010	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	89
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	58
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	58
4	1,2-Benzenediamine, N-phenyl-	184	C12H12N2	000534-85-0	53
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	50





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Misc :
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Instrument : BNA_P
ClientSampleId : E-2

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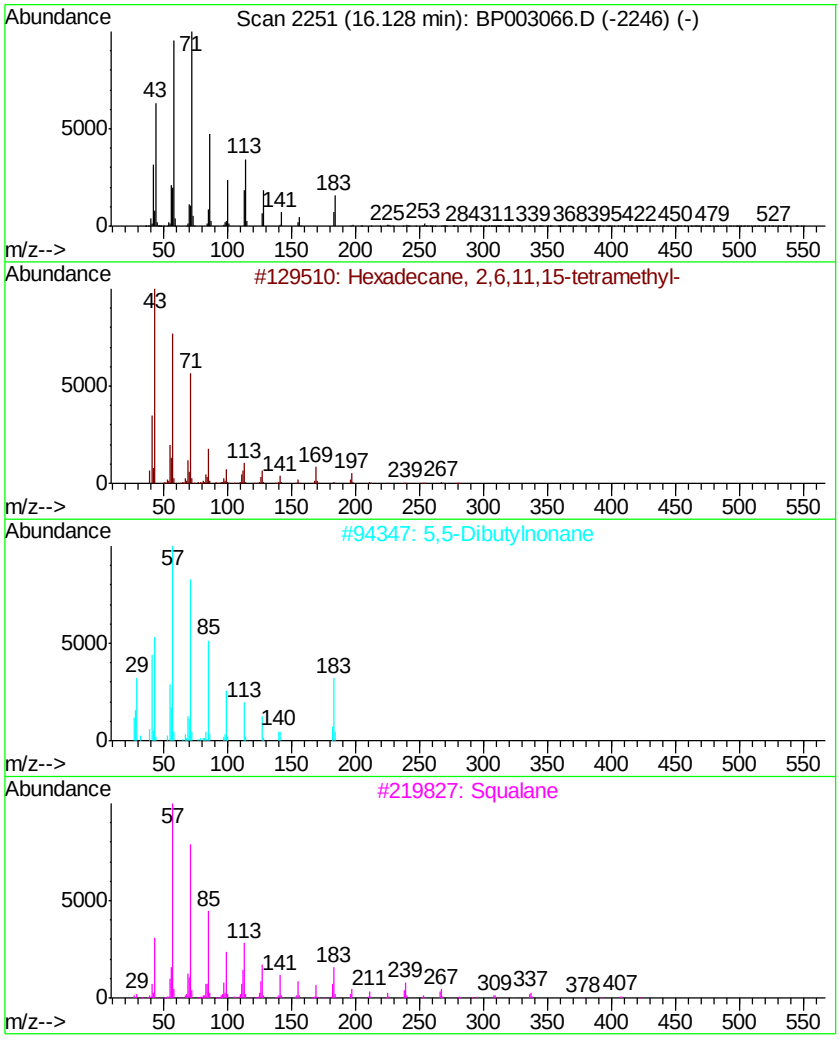
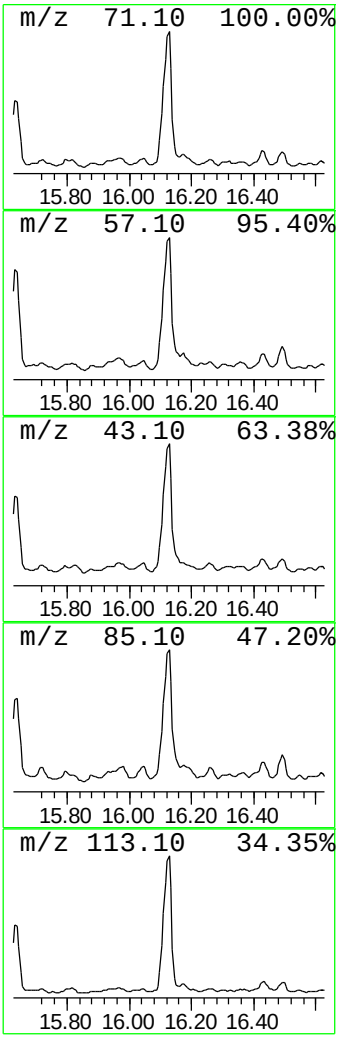
Peak Number 15 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	103.35 ng	10397200	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
2	5,5-Dibutylnonane	240	C17H36	006008-17-9	80
3	Squalane	422	C30H62	000111-01-3	78
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	59





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TIC Library : C:\DATABASE\NIST11.L
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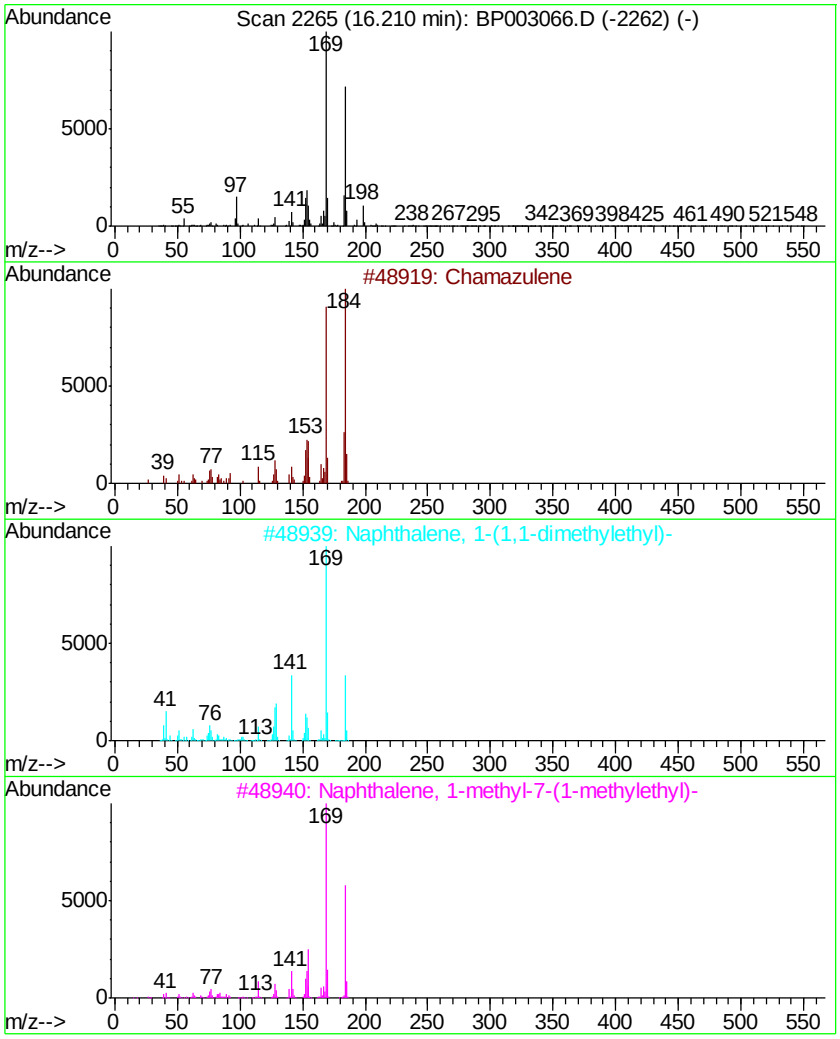
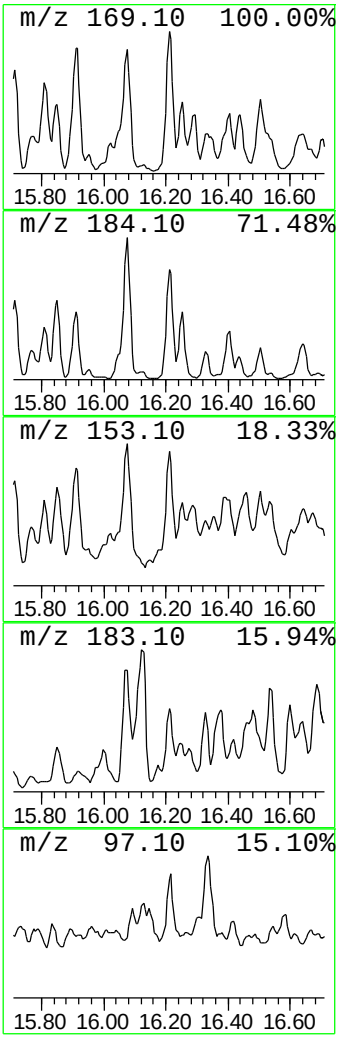
Peak Number 16 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	39.23 ng	3946710	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	68
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	68
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	240	C12H20N2O3	055134-03-7	59
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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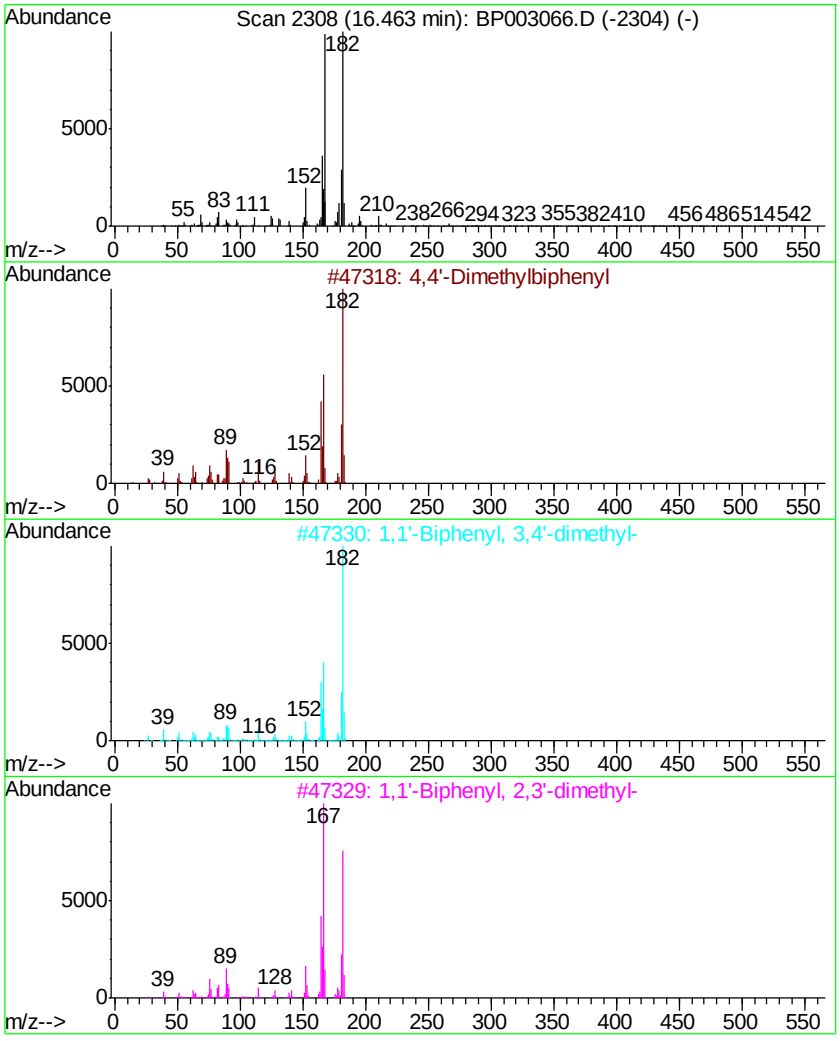
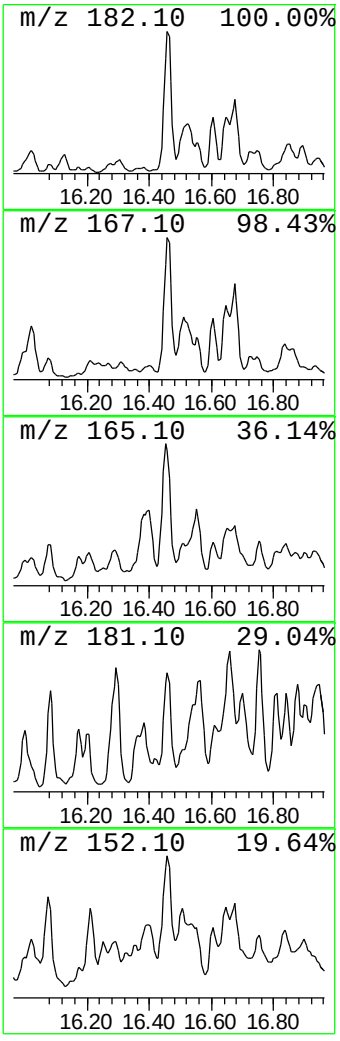
Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	34.98 ng	3519290	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	94
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	87
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	74
4	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	72
5	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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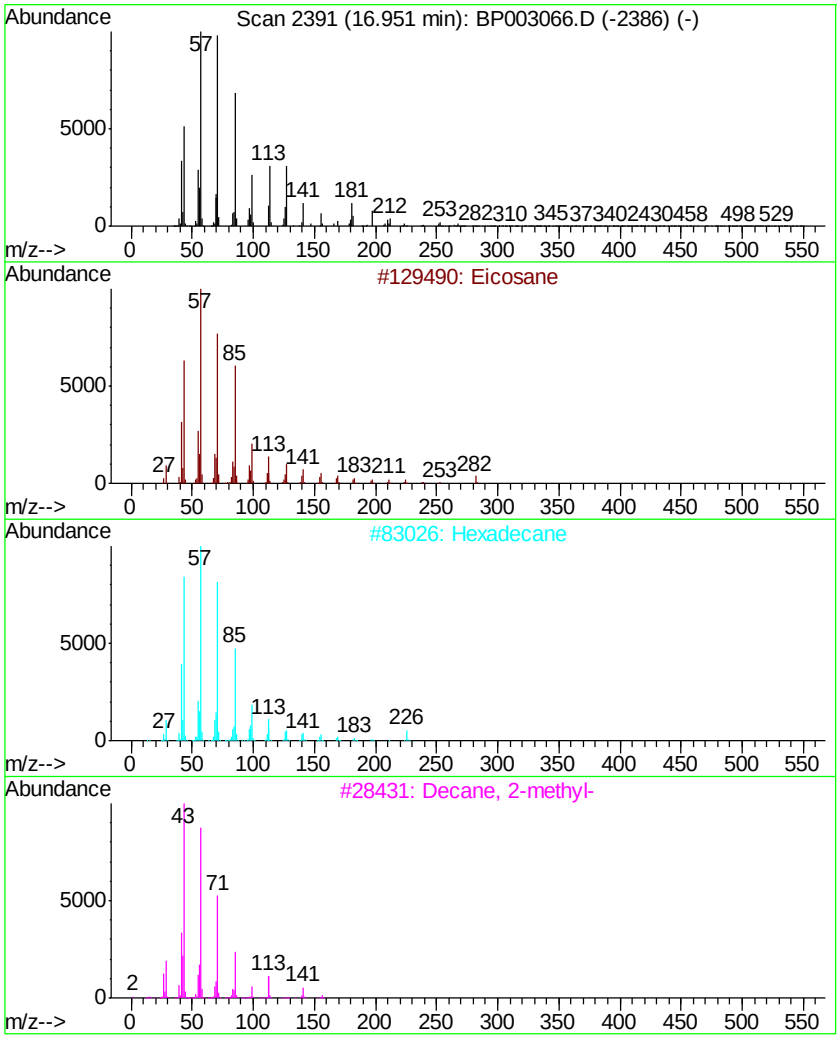
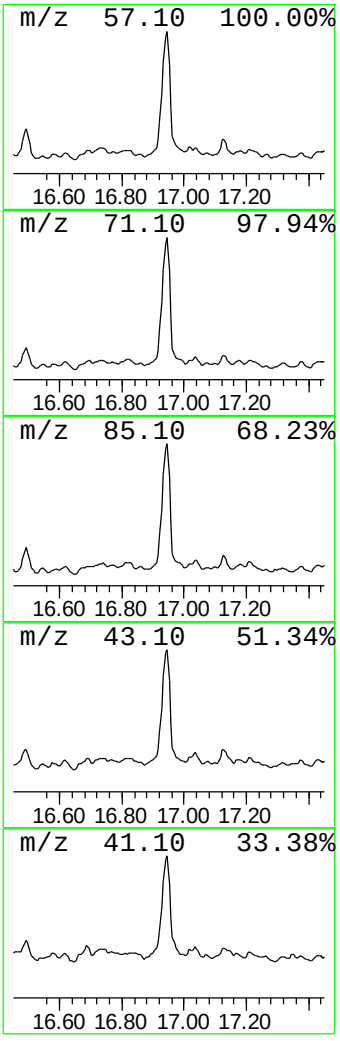
Peak Number 18 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	91.58 ng	9213400	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Hexadecane	226	C16H34	000544-76-3	72
3	Decane, 2-methyl-	156	C11H24	006975-98-0	70
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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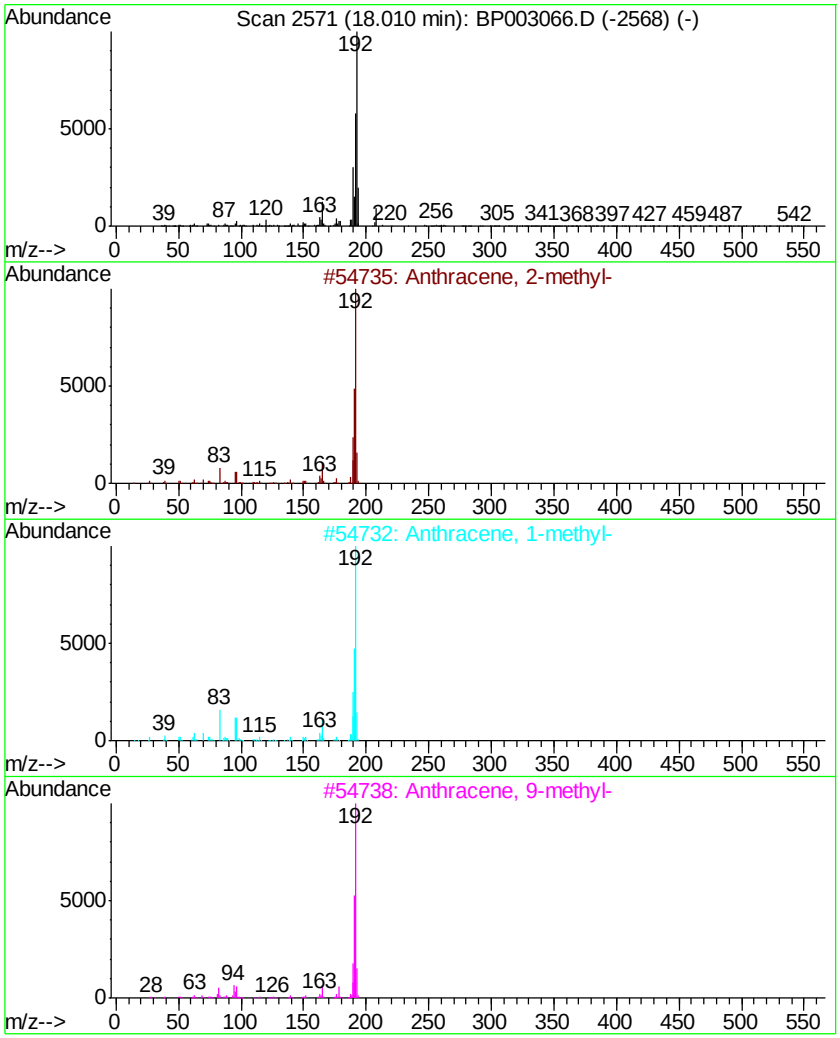
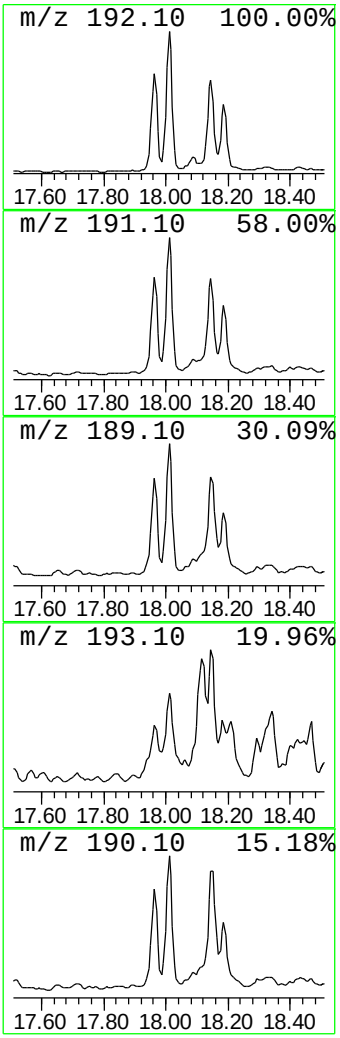
Peak Number 19 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	61.72 ng	6209250	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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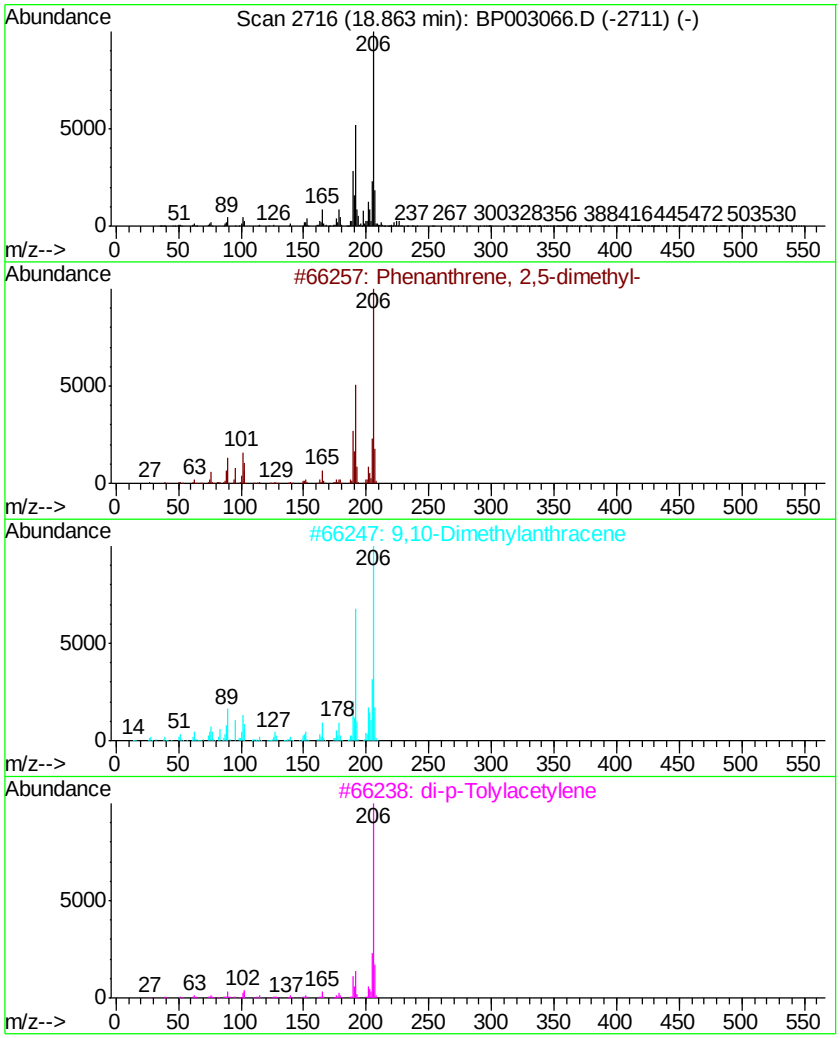
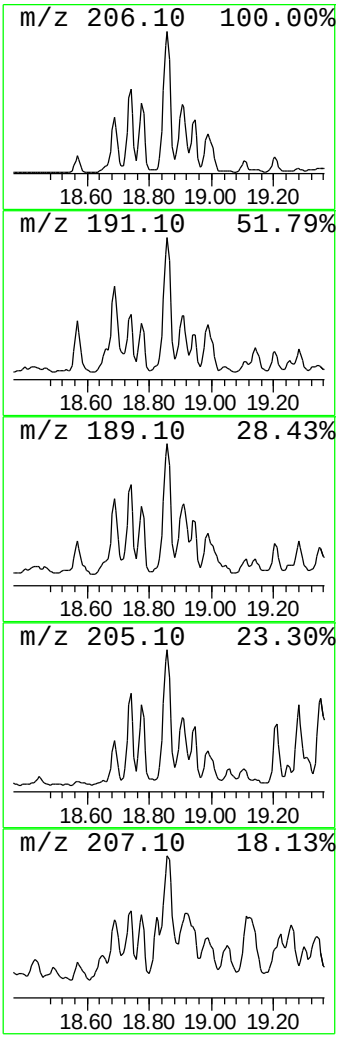
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	58.62 ng	5897680	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP082020\
Data File : BP003066.D
Acq On : 20 Aug 2020 15:24
Operator : CG/JU
Sample : L3696-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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
Naphthalene, 1,2,...	12.41	80.3	ng	13106100	3	14.33	3262660	20.0
Nonane, 2-methyl-...	12.90	60.2	ng	9826870	3	14.33	3262660	20.0
Naphthalene, 1,2,...	13.28	70.0	ng	11420600	3	14.33	3262660	20.0
Benzene, 1,3,5-tr...	13.33	39.2	ng	6400210	3	14.33	3262660	20.0
Naphthalene, 1,4-...	13.50	54.9	ng	8952160	3	14.33	3262660	20.0
Naphthalene, 2,6-...	13.66	87.9	ng	14337600	3	14.33	3262660	20.0
Naphthalene, 2,7-...	13.71	56.0	ng	9131230	3	14.33	3262660	20.0
unknown13.86	13.86	74.0	ng	12076000	3	14.33	3262660	20.0
Naphthalene, 2-(1...	14.55	66.6	ng	10865100	3	14.33	3262660	20.0
Naphthalene, 1,6,...	14.82	46.8	ng	7639840	3	14.33	3262660	20.0
Naphthalene, 1,4,...	14.96	59.8	ng	9752000	3	14.33	3262660	20.0
Naphthalene, 2,3,...	15.02	38.8	ng	6326140	3	14.33	3262660	20.0
Naphthalene, 2-me...	15.45	43.2	ng	7046740	3	14.33	3262660	20.0
Naphthalene, 1-me...	16.07	34.9	ng	3512010	4	17.09	2012010	20.0
Hexadecane, 2,6,1...	16.13	103.3	ng	10397200	4	17.09	2012010	20.0
Chamazulene	16.21	39.2	ng	3946710	4	17.09	2012010	20.0
4,4'-Dimethylbiph...	16.46	35.0	ng	3519290	4	17.09	2012010	20.0
Eicosane	16.95	91.6	ng	9213400	4	17.09	2012010	20.0
Anthracene, 2-met...	18.01	61.7	ng	6209250	4	17.09	2012010	20.0
Phenanthrene, 2,5...	18.86	58.6	ng	5897680	4	17.09	2012010	20.0