LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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	4.369	384	388	396	rBV	124147	143018	3.96%	0.336%
2	5.004	490	496	499	rBV	1552426	1867130	51.74%	4.391%
3	5.416	562	566	576	rBV	1878990	1635262	45.31%	3.845%
4	6.328	717	721	727	rBV2	82840	77013	2.13%	0.181%
5	6.434	734	739	742	rBV	2960297	2772497	76.83%	6.520%
6	6.628	769	772	775	rBV	46490	49607	1.37%	0.117%
7	6.792	797	800	804	rBV	1040513	891612	24.71%	2.097%
8	7.063	842	846	850	rVB3	43341	48105	1.33%	0.113%
9	7.363	891	897	900	rBV	1950414	2065392	57.23%	4.857%
10	8.081	1013	1019	1021	rBV	1288254	1185660	32.86%	2.788%
11	8.098	1021	1022	1025	rVB	81670	53991	1.50%	0.127%
12	8.498	1086	1090	1092	rBV	45273	45888	1.27%	0.108%
13	8.622	1107	1111	1115	rBV4	36654	43097	1.19%	0.101%
14	8.669	1116	1119	1122	rBV	80115	67158	1.86%	0.158%
15	8.792	1137	1140	1142	rVB	47033	39432	1.09%	0.093%
16	8.886	1153	1156	1161	rVB2	42349	42902	1.19%	0.101%
17	8.951	1165	1167	1171	rBV4	27193	36604	1.01%	0.086%
18	9.098	1190	1192	1197	rVB	80520	63601	1.76%	0.150%
19	9.157	1197	1202	1205	rBV	3736567	3608743	100.00%	8.486%
20	9.233	1211	1215	1218	rBV2	193102	197516	5.47%	0.464%
21	9.422	1242	1247	1250	rBV3	45270	63906	1.77%	0.150%
22	9.486	1255	1258	1261	rVV	119949	111740	3.10%	0.263%
23	9.545	1265	1268	1272	rVV2	392478	439036	12.17%	1.032%
24	9.610	1277	1279	1283	rVB3	56107	78175	2.17%	0.184%
25	9.692	1290	1293	1296	rBV	231150	225975	6.26%	0.531%
26	9.739	1299	1301	1303	rVV	131801	112962	3.13%	0.266%
27	9.763	1303	1305	1310	rVB	149058	124541	3.45%	0.293%
28	9.827	1313	1316	1319	rVV	1314749	1262650	34.99%	2.969%
29	9.863	1319	1322	1326	rVB	171979	160488	4.45%	0.377%
30	9.933	1331	1334	1339	rBV3	50666	72567	2.01%	0.171%
31	10.033	1347	1351	1353	rBV2	119690	126346	3.50%	0.297%
32	10.075	1356	1358	1363	rVB3	57747	79261	2.20%	0.186%
33	10.145	1367	1370	1372	rBV	79041	75406	2.09%	0.177%
34	10.175	1372	1375	1377	rVB2	52087	54677	1.52%	0.129%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.239	1382	1386	1387	rBV2	91880	89911	2.49%	0.211%
36	10.263	1387	1390	1392	rVB	175229	136863	3.79%	0.322%
37	10.286	1392	1394	1397	rBV4	44160	44396	1.23%	0.104%
38	10.374	1406	1409	1416	rBV2	172054	205342	5.69%	0.483%
39	10.486	1422	1428	1431	rBV2	134872	184077	5.10%	0.433%
40	10.533	1434	1436	1439	rVB2	76251	69465	1.92%	0.163%
41	10.580	1439	1444	1446	rBV	268165	272557	7.55%	0.641%
42	10.616	1447	1450	1454	rVB	311403	283878	7.87%	0.668%
43	10.704	1462	1465	1467	rBV2	80826	77408	2.15%	0.182%
44	10.745	1467	1472	1478	rVB3	314422	484184	13.42%	1.139%
45	10.951	1505	1507	1510	rVB3	52789	51892	1.44%	0.122%
46	11.121	1533	1536	1539	rBV	96546	88428	2.45%	0.208%
47	11.180	1544	1546	1549	rVV	157779	155898	4.32%	0.367%
48	11.210	1549	1551	1557	rVB	239807	237652	6.59%	0.559%
49	11.316	1565	1569	1571	rBV	1319433	1168282	32.37%	2.747%
50	11.339	1571	1573	1576	rVV	1571633	1183481	32.79%	2.783%
51	11.392	1579	1582	1585	rVB	350651	310826	8.61%	0.731%
52	11.427	1585	1588	1591	rBV2	66793	76168	2.11%	0.179%
53	11.545	1605	1608	1615	rVB	145922	170395	4.72%	0.401%
54	11.610	1616	1619	1623	rVV	168654	134178	3.72%	0.316%
55	11.645	1623	1625	1631	rVB4	59915	82604	2.29%	0.194%
56	11.816	1651	1654	1656	rBV	173166	141318	3.92%	0.332%
57	11.845	1656	1659	1662	rVV	263480	229833	6.37%	0.540%
58	11.892	1664	1667	1669	rVV	89564	82376	2.28%	0.194%
59	11.927	1670	1673	1675	rVV	333668	325466	9.02%	0.765%
60	11.951	1675	1677	1681	rVB	138793	121093	3.36%	0.285%
61	12.016	1686	1688	1691	rVB2	106999	92978	2.58%	0.219%
62	12.110	1702	1704	1706	rBV	140191	108234	3.00%	0.255%
63	12.139	1706	1709	1712	rVB2	135550	138095	3.83%	0.325%
64	12.292	1733	1735	1737	rBV2	72493	57844	1.60%	0.136%
65	12.363	1744	1747	1750	rBV	147293	149586	4.15%	0.352%
66	12.404	1751	1754	1759	rVB2	141383	177549	4.92%	0.418%
67	12.451	1759	1762	1765	rBV	119555	121642	3.37%	0.286%
68	12.527	1771	1775	1779	rVB	2109222	1833608	50.81%	4.312%
69	12.621	1788	1791	1794	rBV2	100811	94671	2.62%	0.223%
70	12.757	1808	1814	1817	rBV	1820011	1877414	52.02%	4.415%
71	12.804	1820	1822	1826	rVB2	86426	108165	3.00%	0.254%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.874	1831	1834	1835	rVV2	112122	106174	2.94%	0.250%
73	12.904	1835	1839	1846	rVB	2934876	3000596	83.15%	7.056%
74	12.974	1847	1851	1854	rBV3	107620	179586	4.98%	0.422%
75	13.063	1863	1866	1867	rBV2	92727	100076	2.77%	0.235%
76	13.080	1867	1869	1873	rVB	246485	238001	6.60%	0.560%
77	13.151	1879	1881	1883	rVB	160527	115179	3.19%	0.271%
78	13.186	1883	1887	1890	rBV2	220440	240990	6.68%	0.567%
79	13.280	1901	1903	1905	rVB	90337	65414	1.81%	0.154%
80	13.310	1906	1908	1911	rVV	84621	71901	1.99%	0.169%
81	13.592	1953	1956	1960	rVB	222520	224979	6.23%	0.529%
82	13.698	1972	1974	1977	rBV2	142951	138134	3.83%	0.325%
83	13.727	1977	1979	1981	rVB	124057	90872	2.52%	0.214%
84	13.751	1981	1983	1988	rBV2	103151	141711	3.93%	0.333%
85	13.798	1988	1991	2001	rVB	492957	619587	17.17%	1.457%
86	13.951	2012	2017	2020	rBV2	1320442	1889893	52.37%	4.444%
87	13.980	2020	2022	2025	rVB	837401	644932	17.87%	1.517%
88	14.057	2033	2035	2037	rVB	123076	87893	2.44%	0.207%
89	14.462	2102	2104	2106	rBV	127887	104028	2.88%	0.245%
90	14.986	2189	2193	2200	rBV	891512	1619919	44.89%	3.809%
91	15.092	2208	2211	2214	rVB	190337	179503	4.97%	0.422%
92	15.280	2240	2243	2249	rVB	532781	733598	20.33%	1.725%
93	15.345	2250	2254	2259	rBV	754133	910407	25.23%	2.141%
94	15.404	2260	2264	2267	rBV	717609	914033	25.33%	2.149%
95	16.833	2503	2507	2515	rVB2	320372	616013	17.07%	1.449%
96	17.268	2577	2581	2587	rVB	231888	402474	11.15%	0.946%

Sum of corrected areas: 42525608

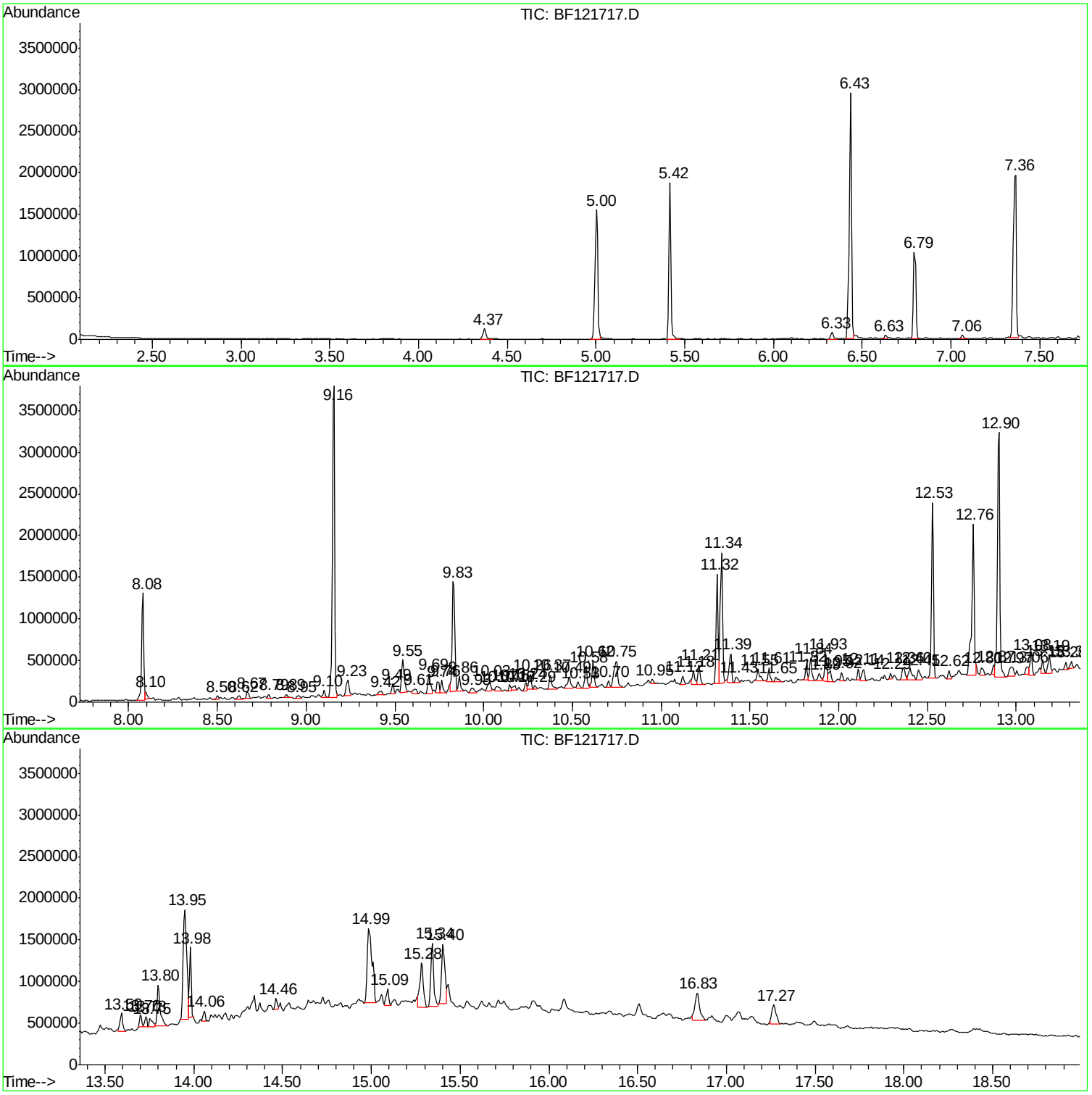
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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 F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

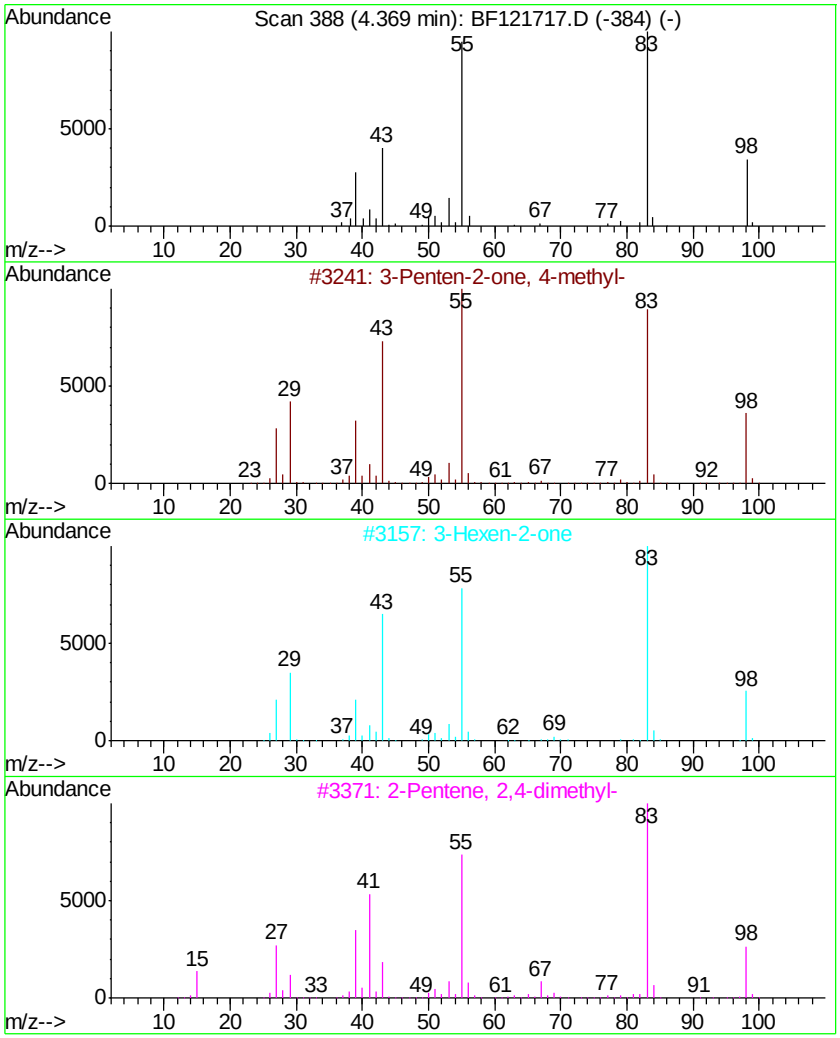
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

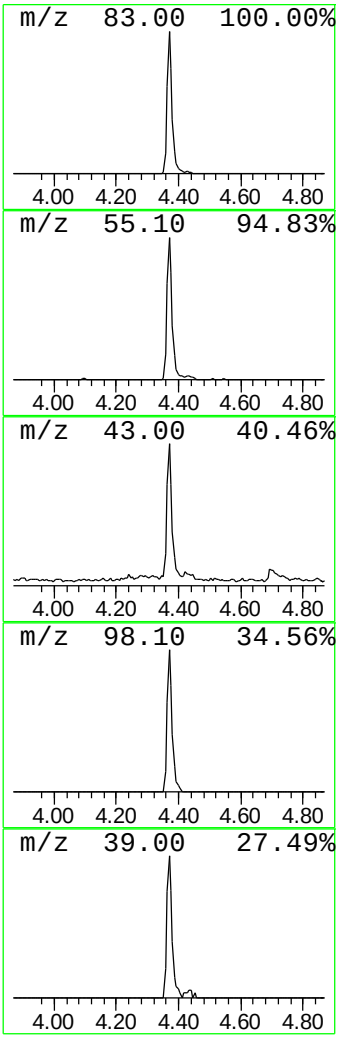
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	3.21 ng	143018	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	90
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

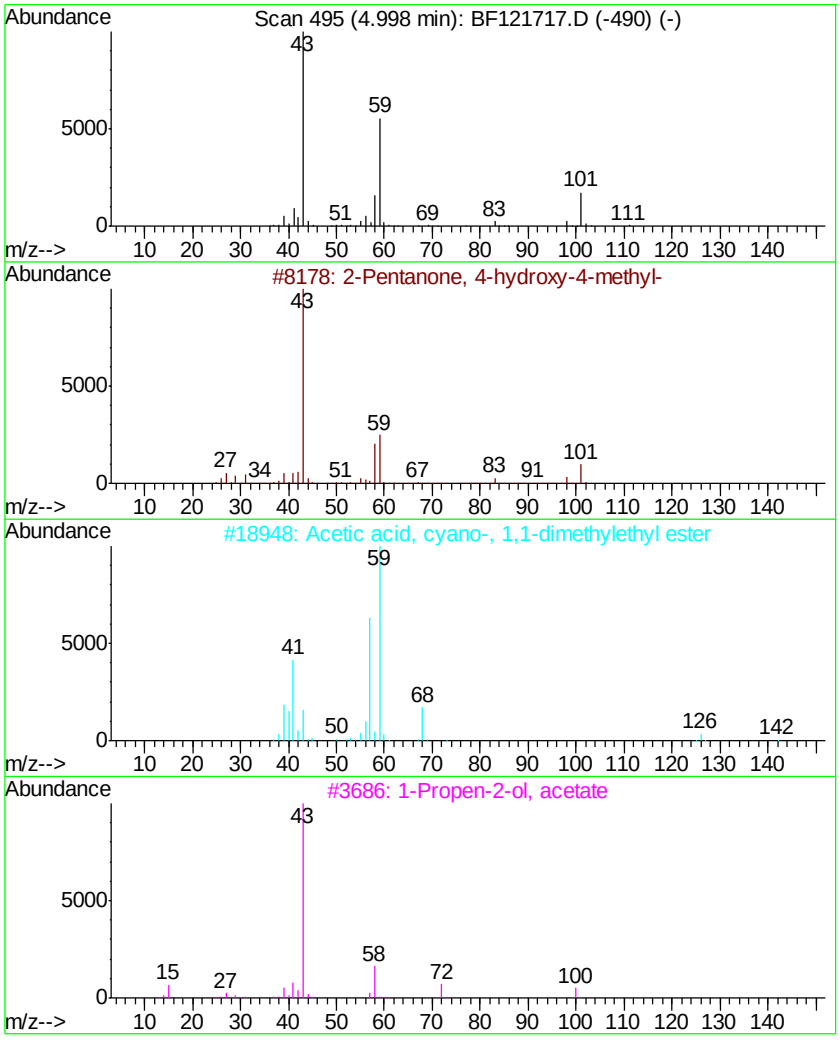
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

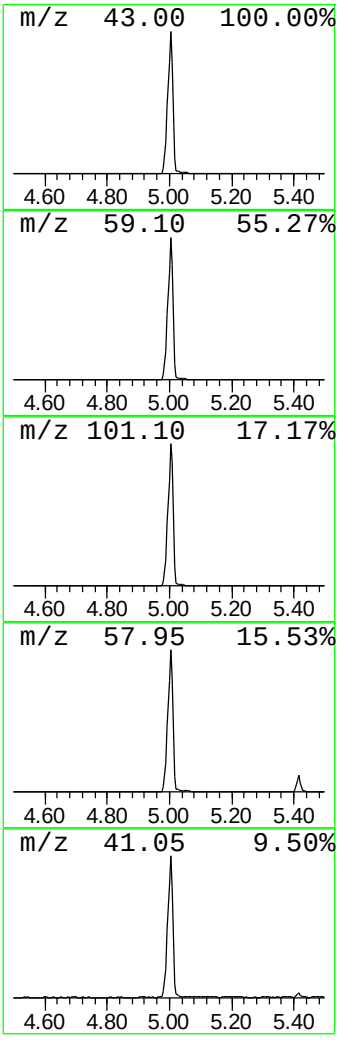
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	41.88 ng	1867130	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Library Search Compound Report

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Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
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Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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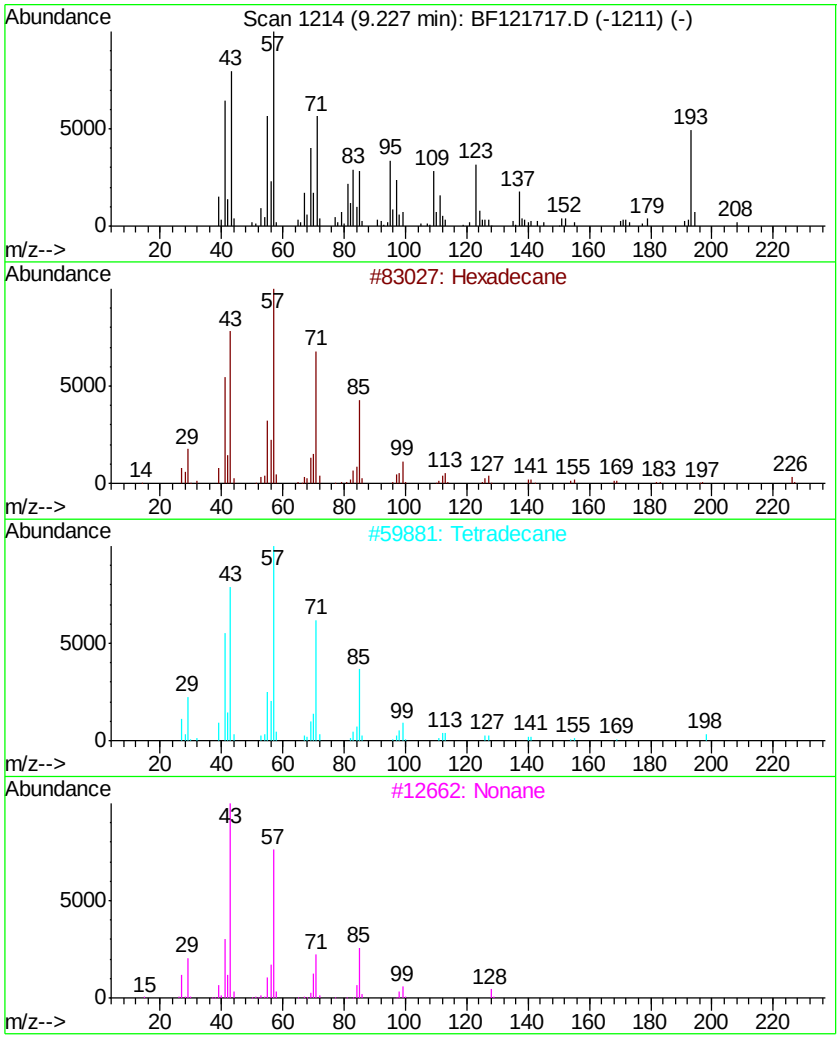
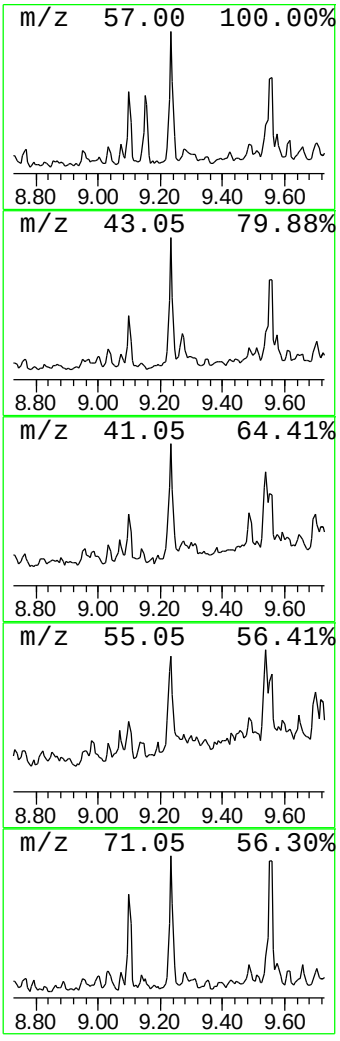
Peak Number 3 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	3.13 ng	197516	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	52
2	Tetradecane	198	C14H30	000629-59-4	52
3	Nonane	128	C9H20	000111-84-2	50
4	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	47
5	Tridecane	184	C13H28	000629-50-5	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
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Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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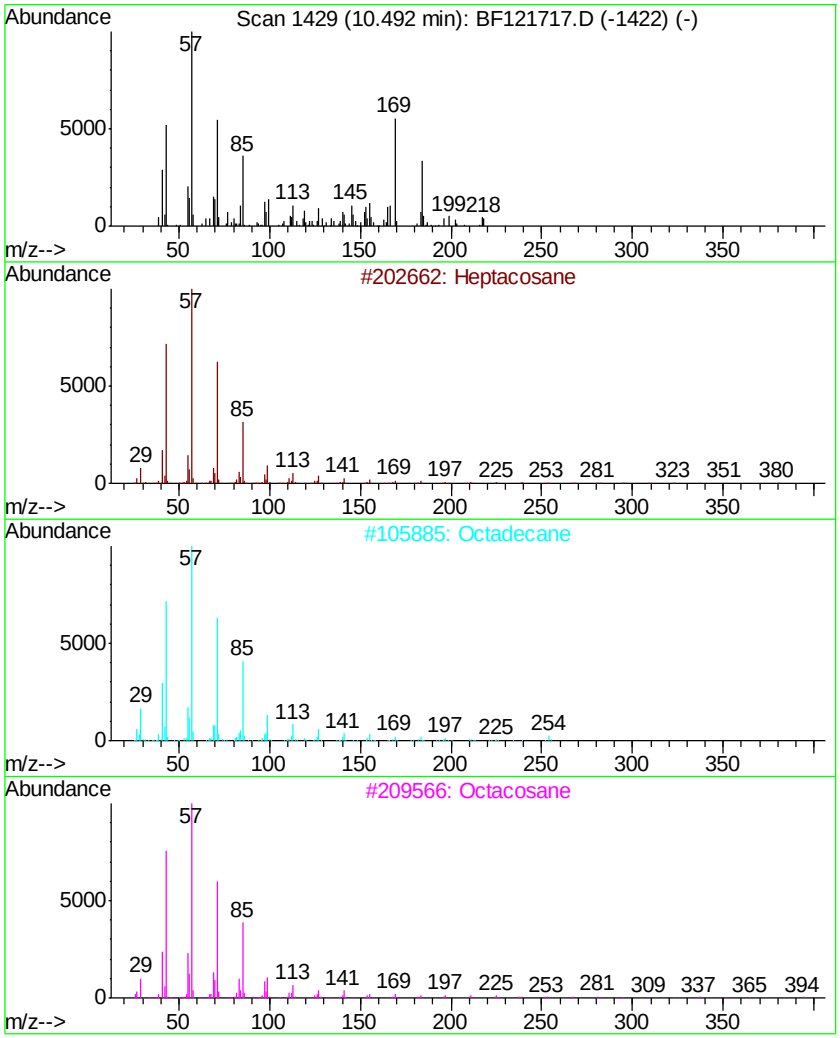
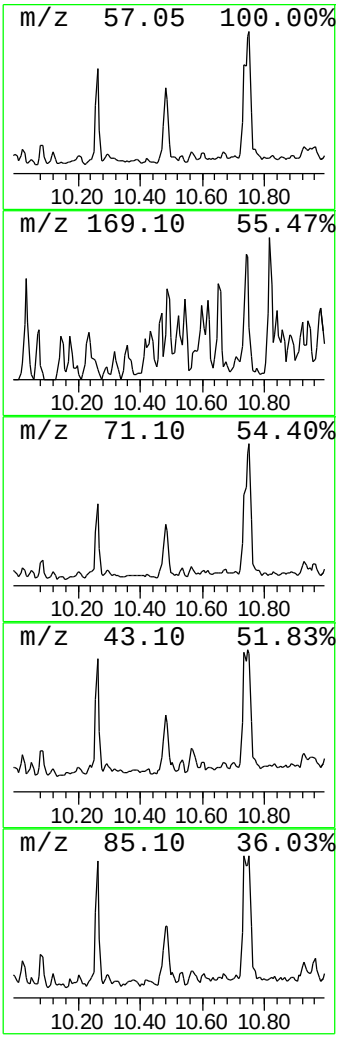
Peak Number 4 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	2.92 ng	184077	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	72
2	Octadecane	254	C18H38	000593-45-3	72
3	Octacosane	394	C28H58	000630-02-4	72
4	Undecane	156	C11H24	001120-21-4	68
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

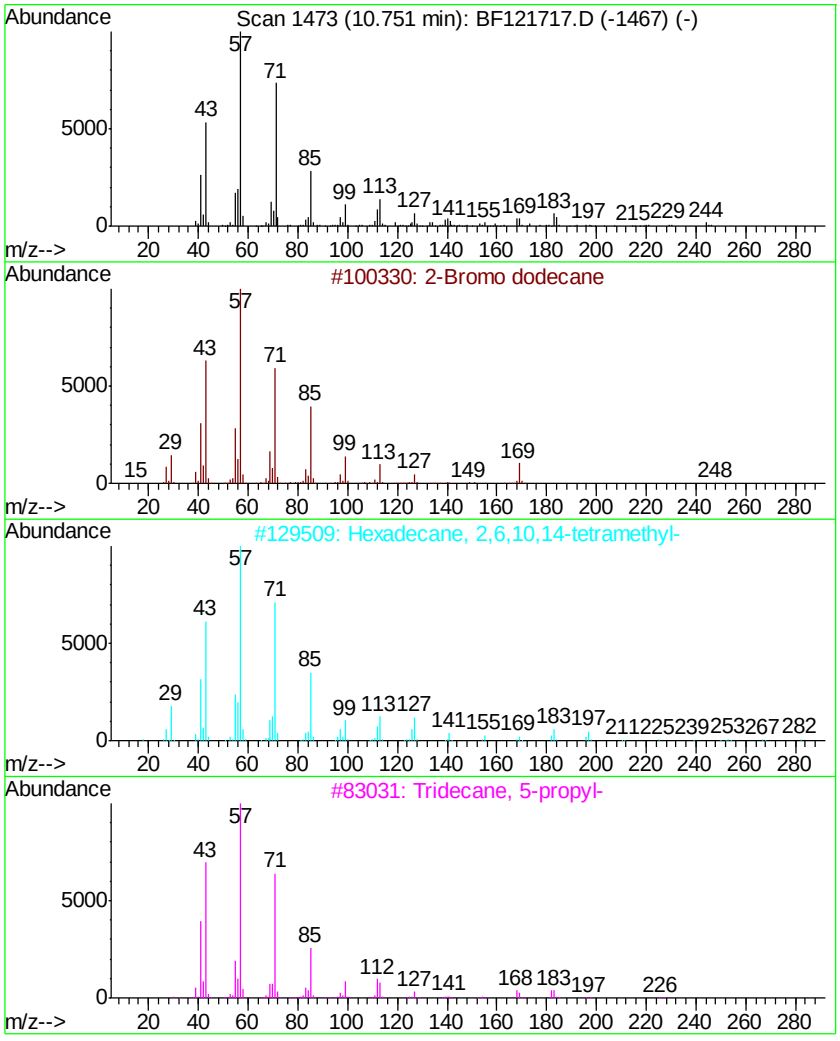
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

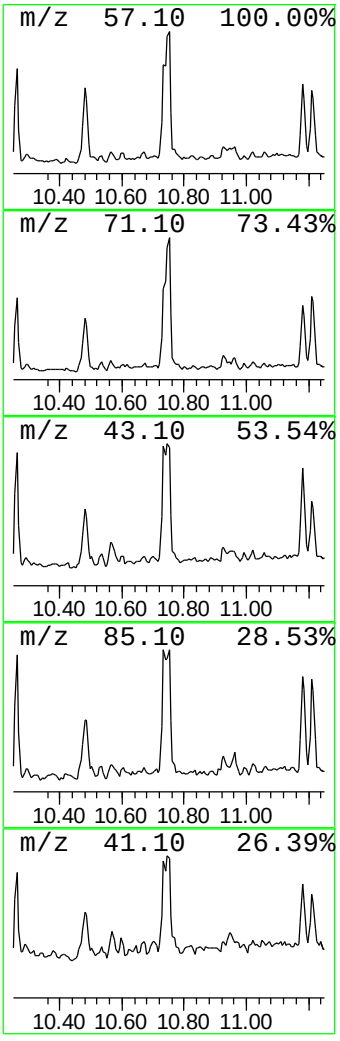
****

Peak Number 5 2-Bromo dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	8.29 ng	484184	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	74
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	70
5	Heptacosane	380	C27H56	000593-49-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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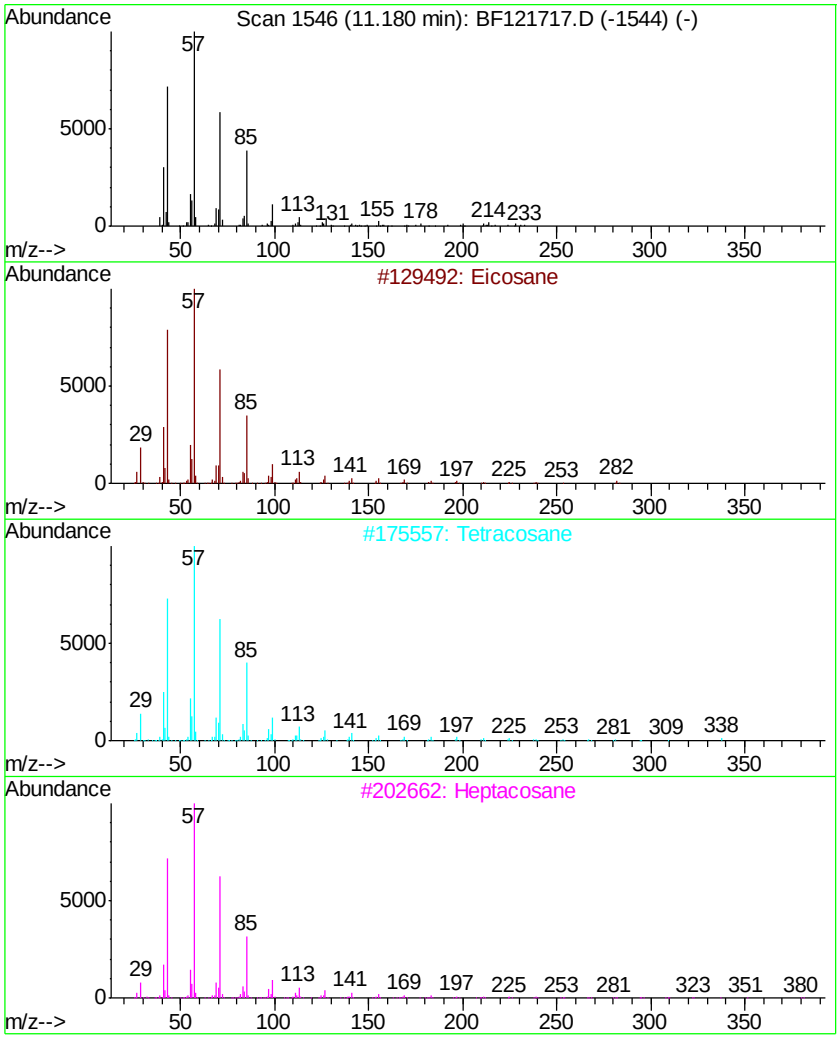
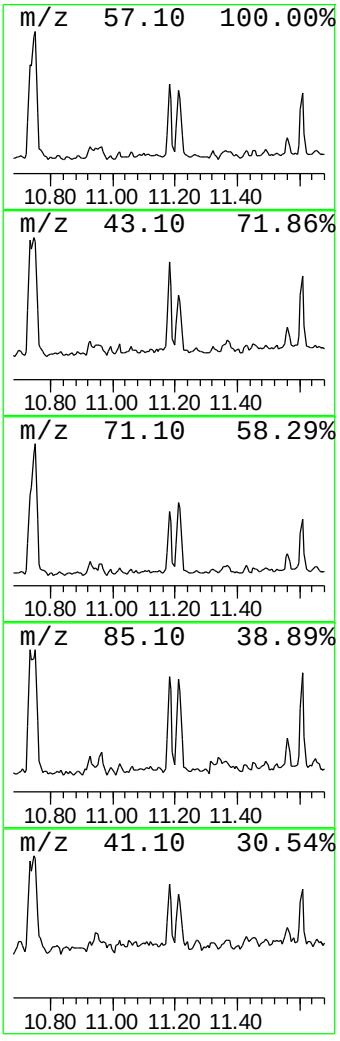
Peak Number 6 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.67 ng	155898	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetracosane	338	C24H50	000646-31-1	86
3	Heptacosane	380	C27H56	000593-49-7	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83





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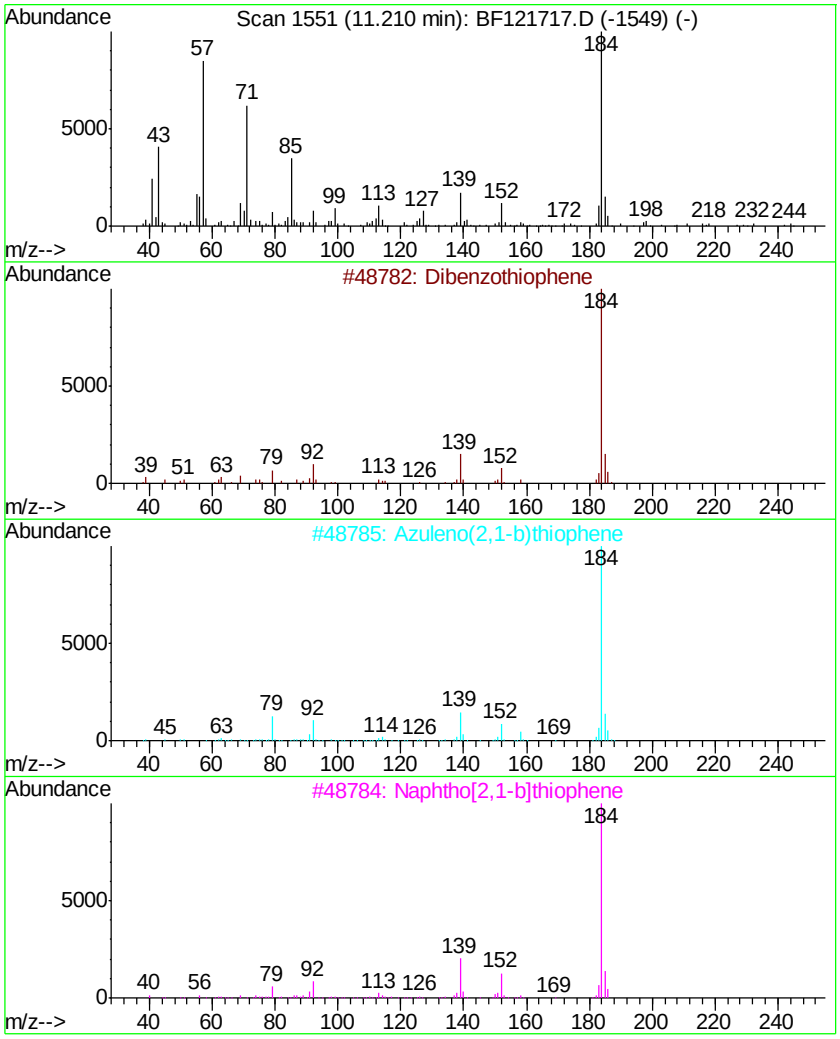
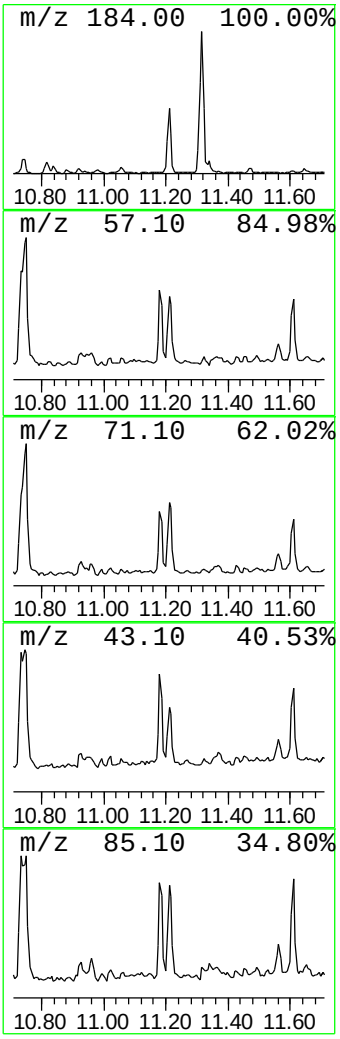
Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	4.07 ng	237652	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	60
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	60
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	55
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38





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Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

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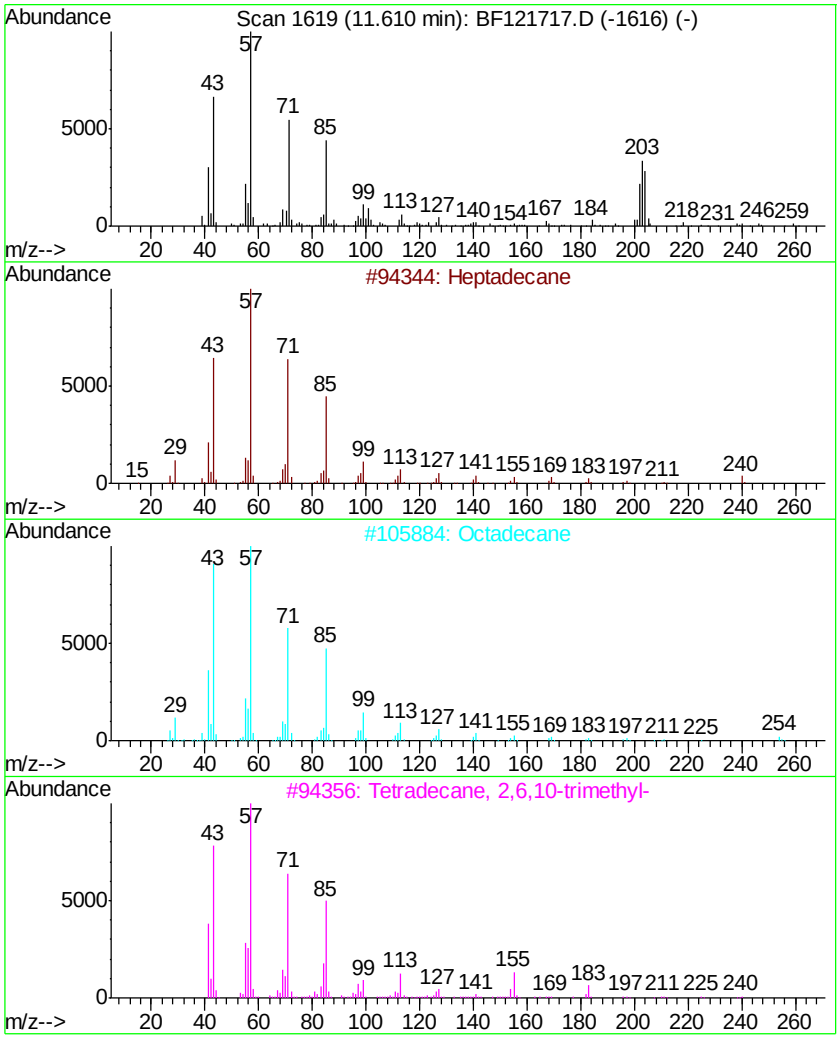
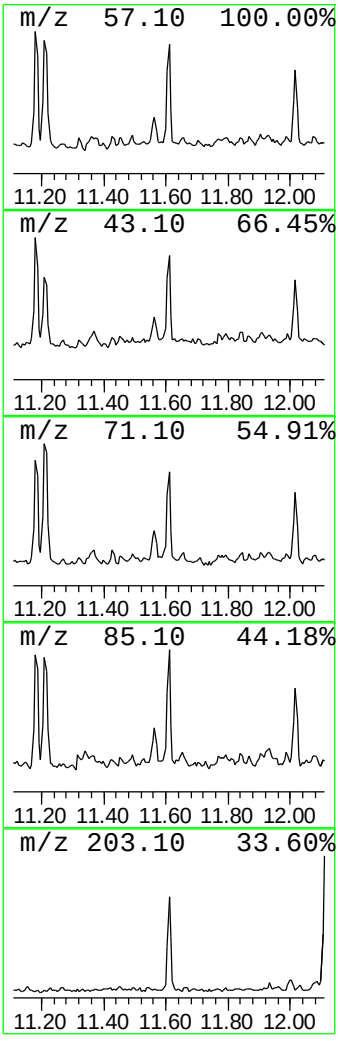
Peak Number 8 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.30 ng	134178	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	60
2	Octadecane	254	C18H38	000593-45-3	53
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	53
4	Tetracosane	338	C24H50	000646-31-1	53
5	Tetradecane	198	C14H30	000629-59-4	53





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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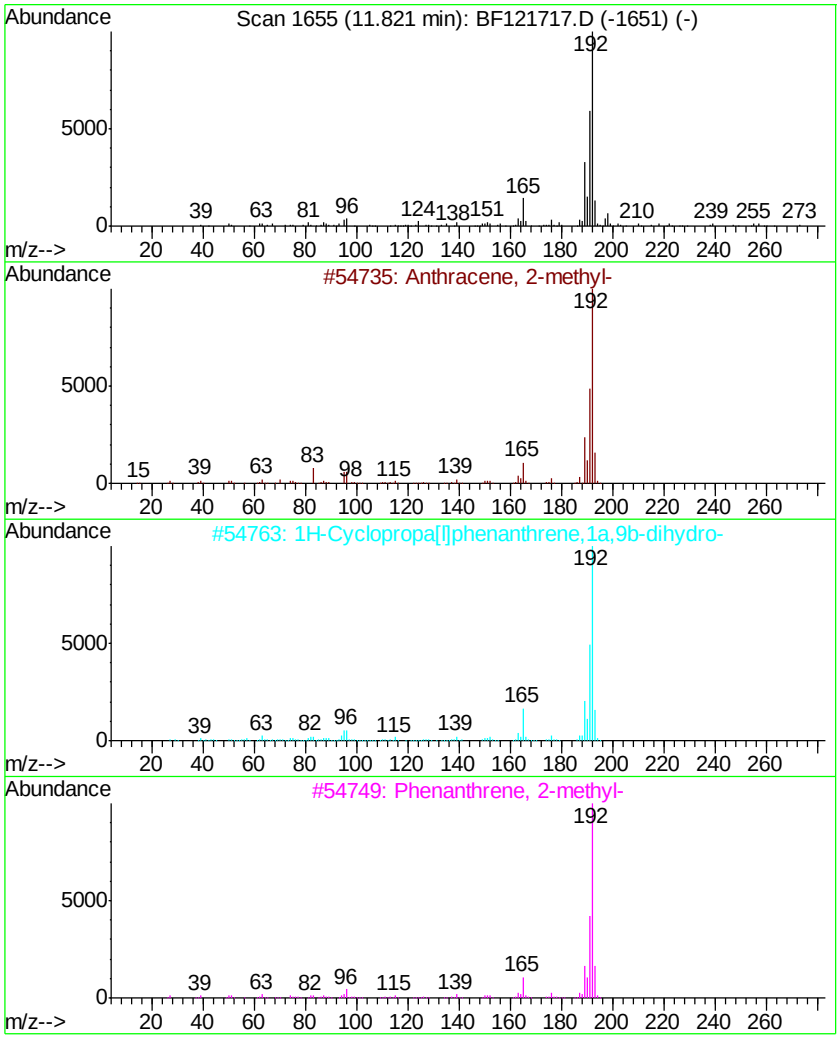
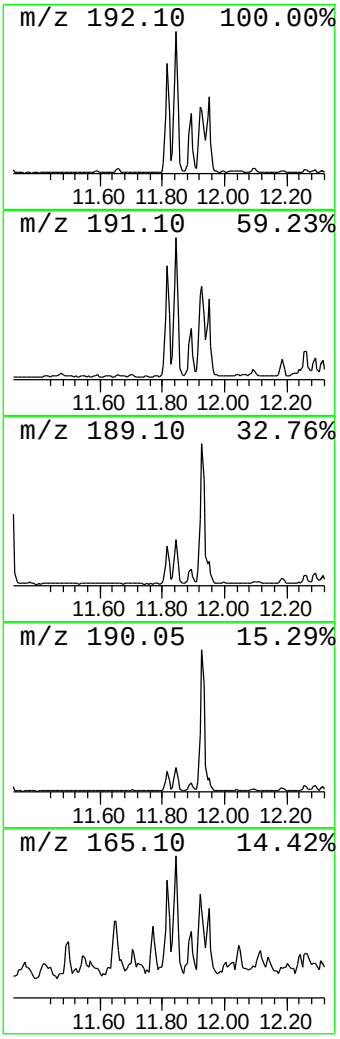
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.42 ng	141318	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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TIC Integration Parameters: LSCINT.P

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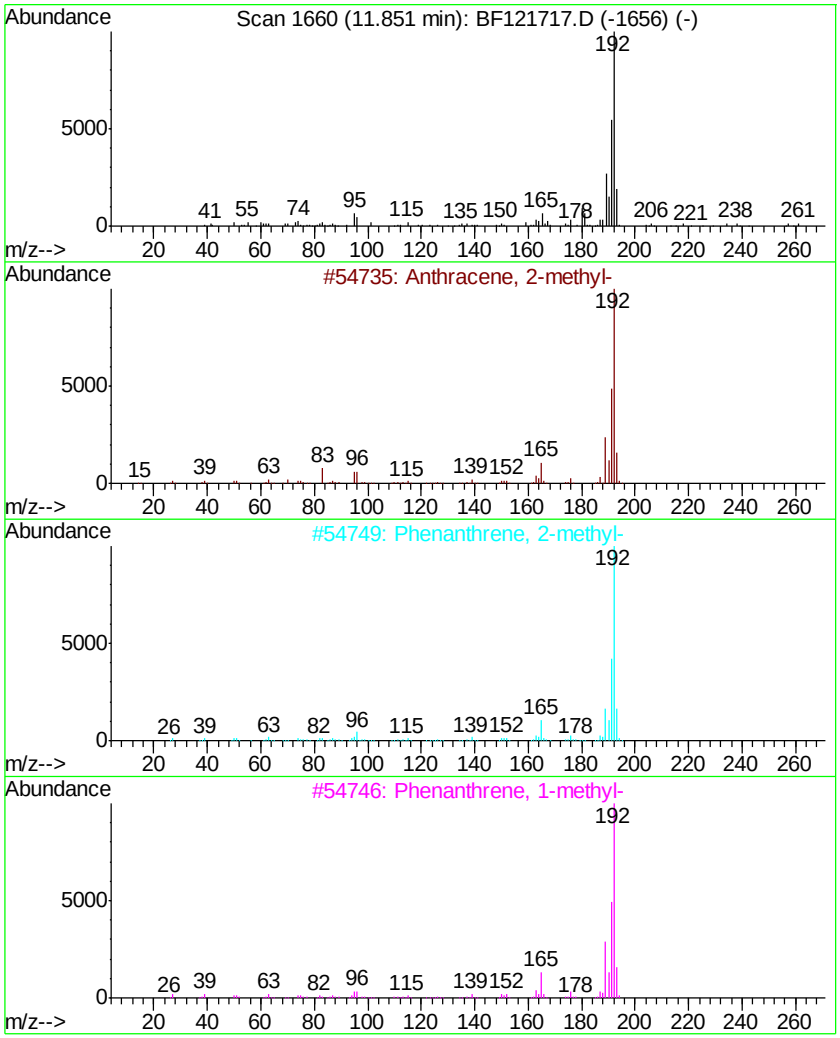
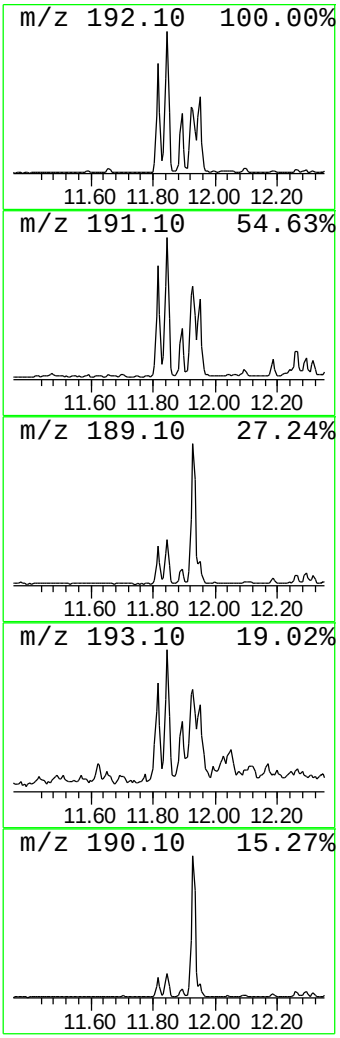
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.93 ng	229833	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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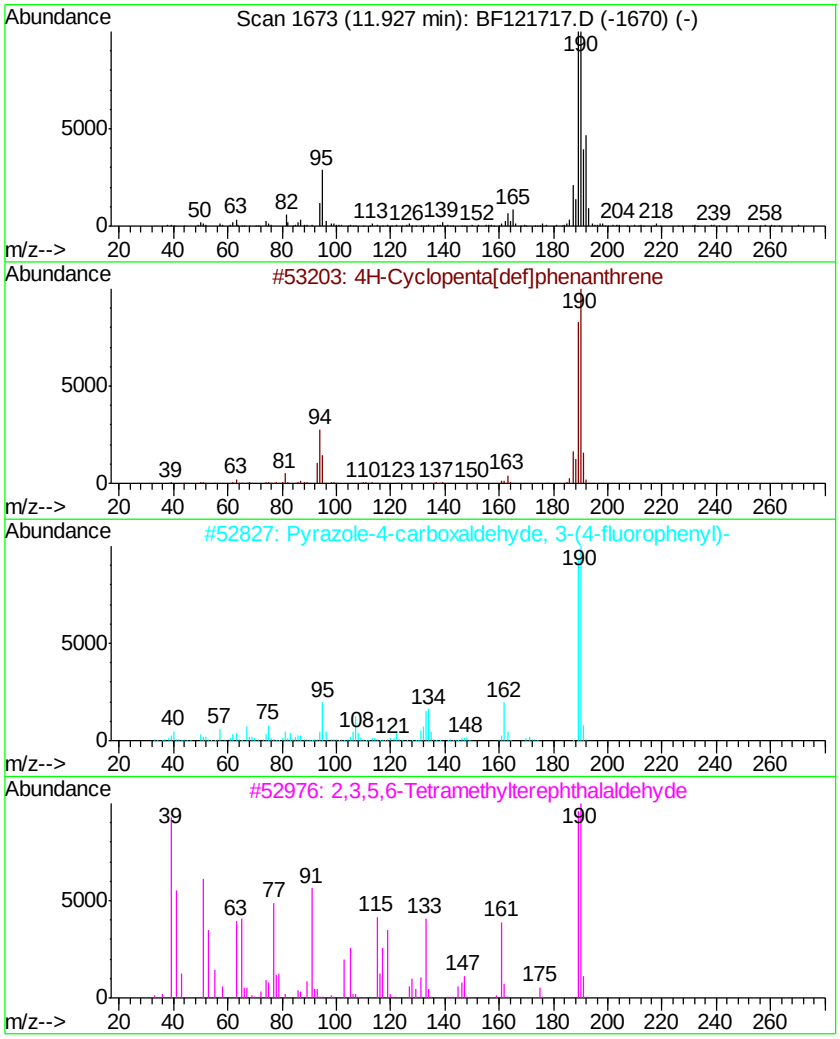
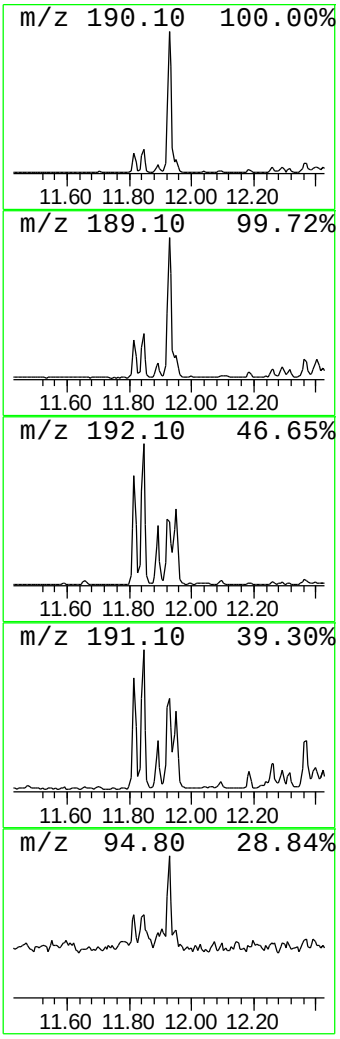
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.57 ng	325466	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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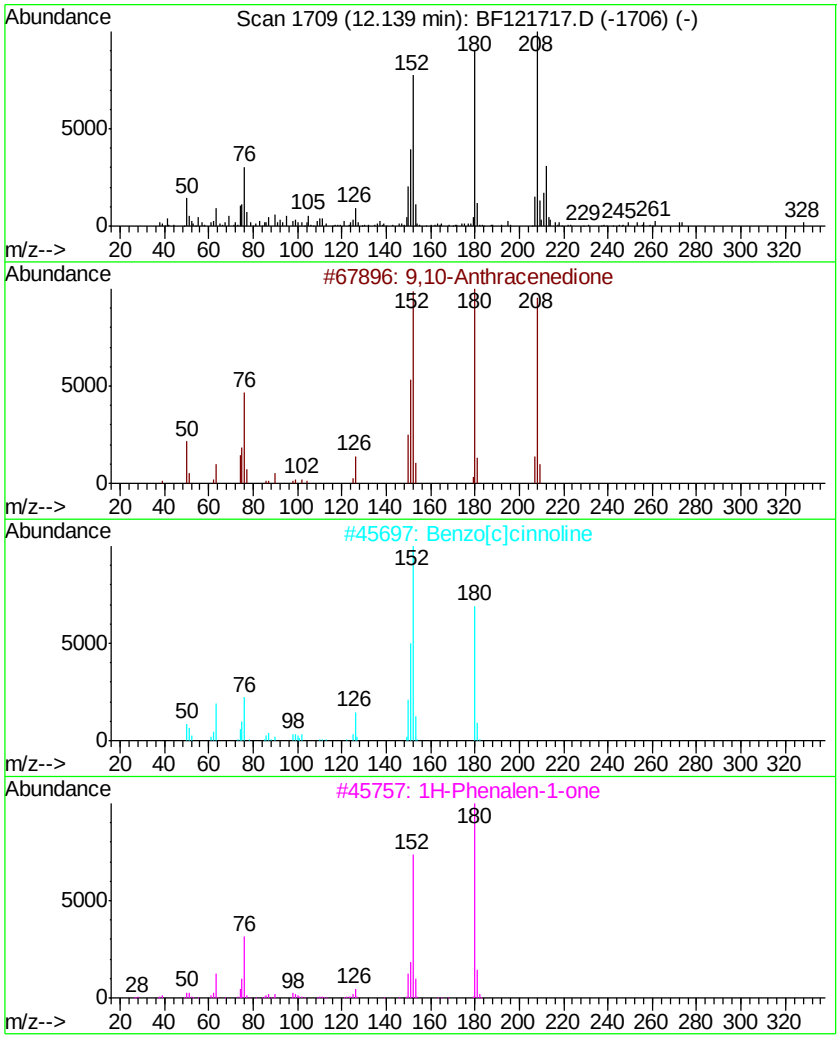
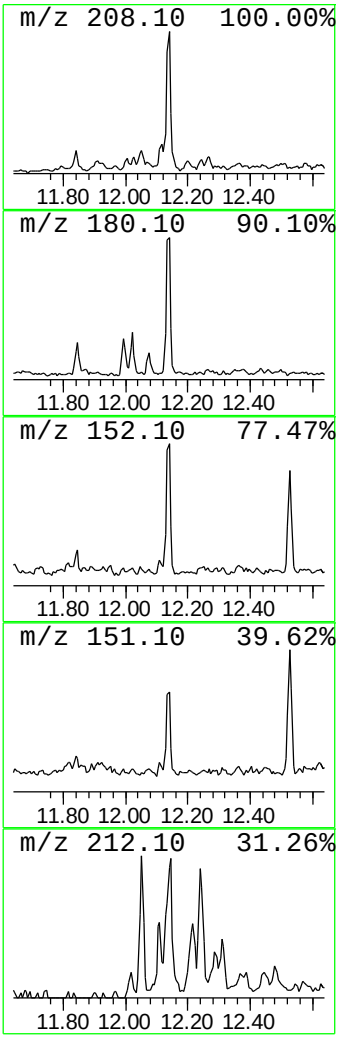
Peak Number 12 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.36 ng	138095	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

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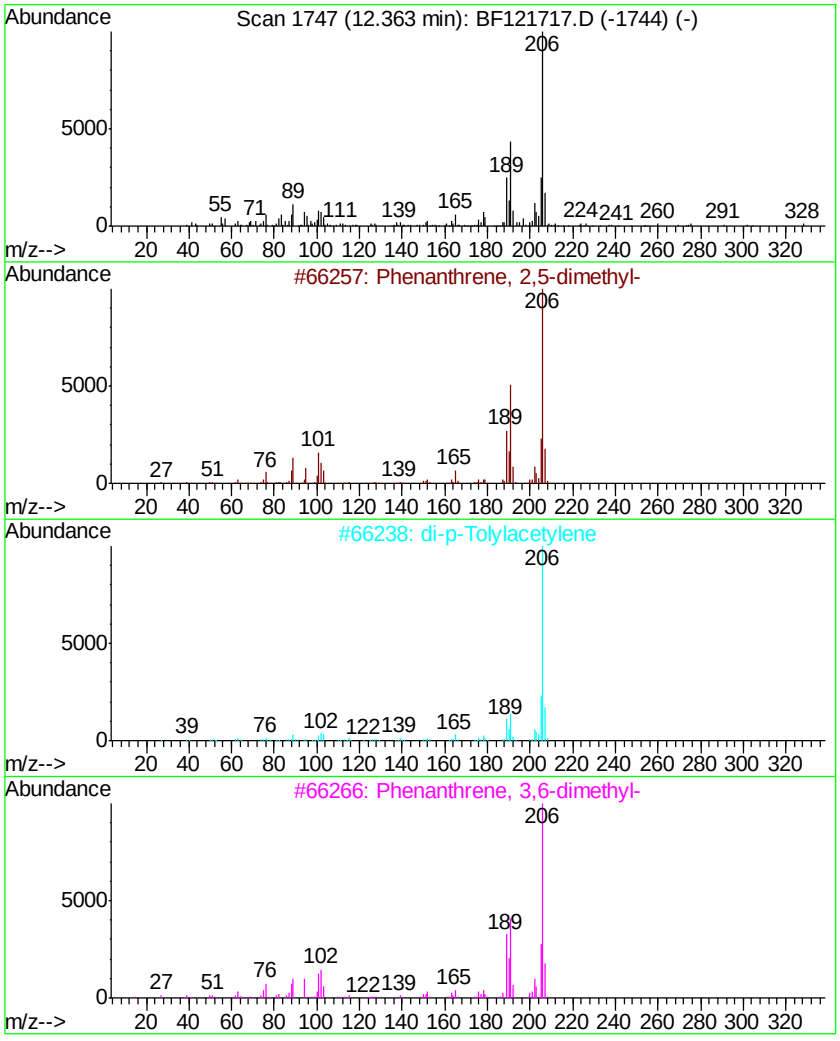
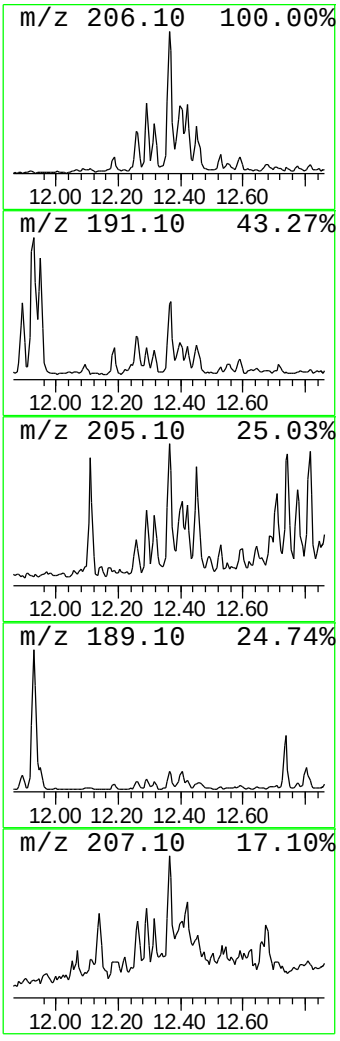
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.56 ng	149586	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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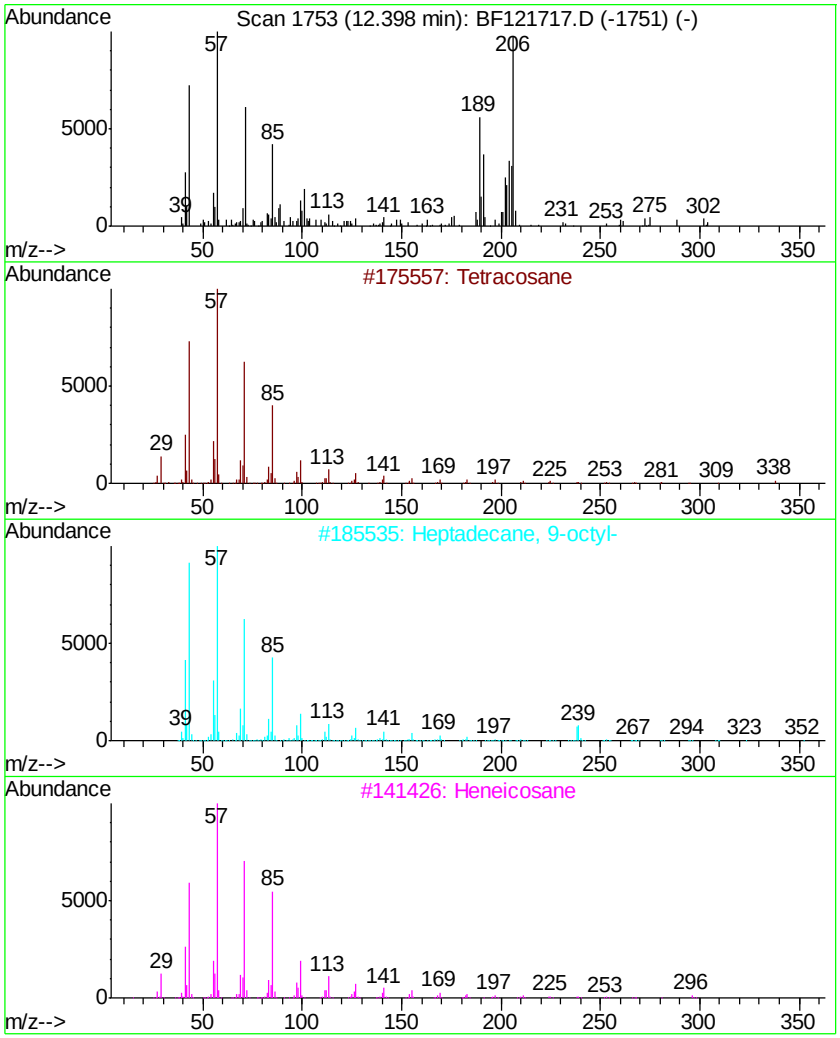
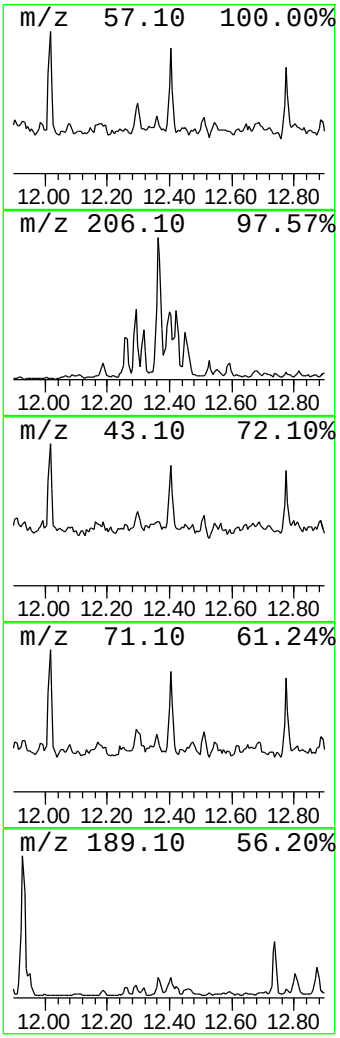
Peak Number 14 unknown12.40 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	3.04 ng	177549	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	20
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	18
3	Heneicosane	296	C21H44	000629-94-7	18
4	Octacosane	394	C28H58	000630-02-4	15
5	Octadecane	254	C18H38	000593-45-3	14





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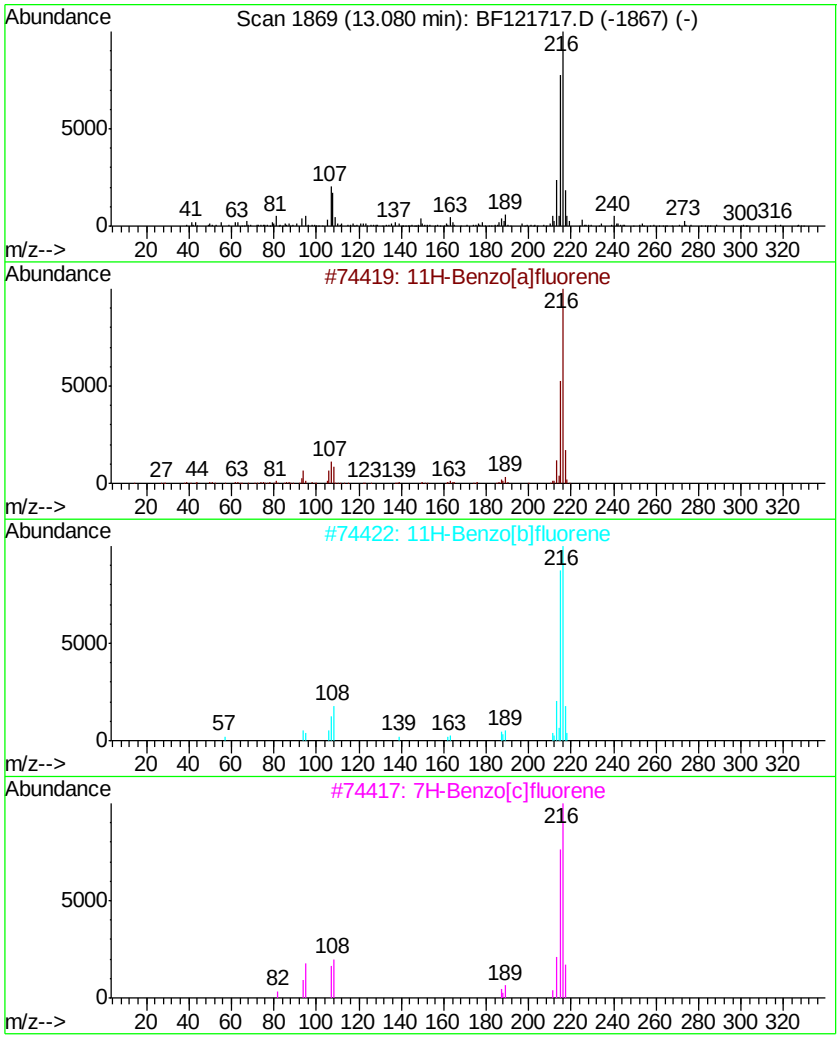
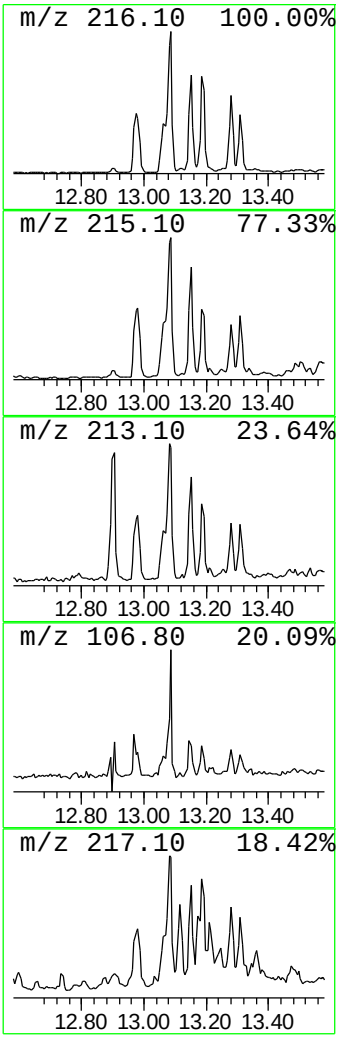
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.52 ng	238001	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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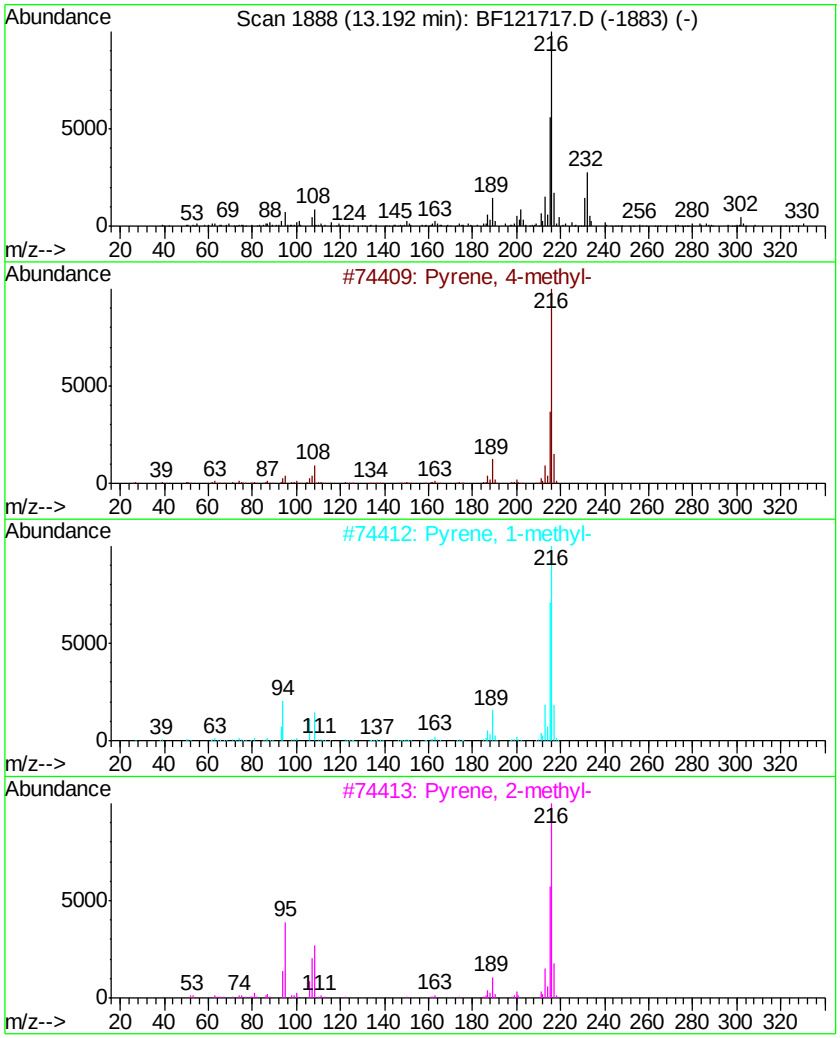
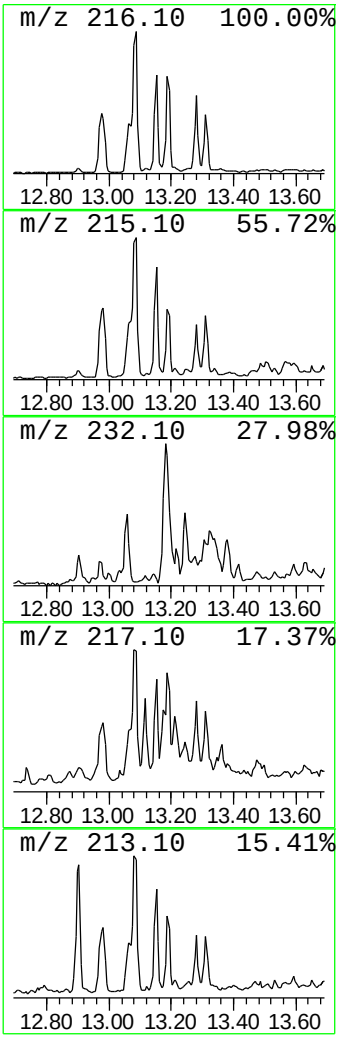
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.55 ng	240990	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	56
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55





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Instrument : BNA_F
ClientSampleId : B-4(5-7)

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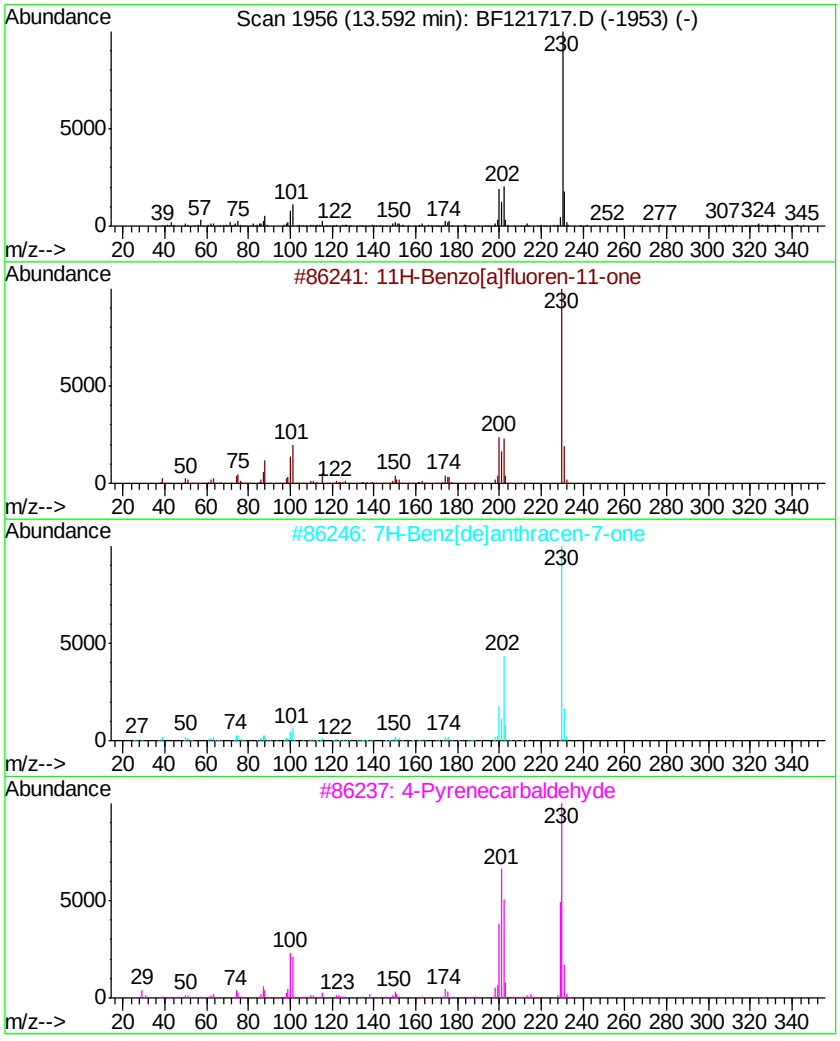
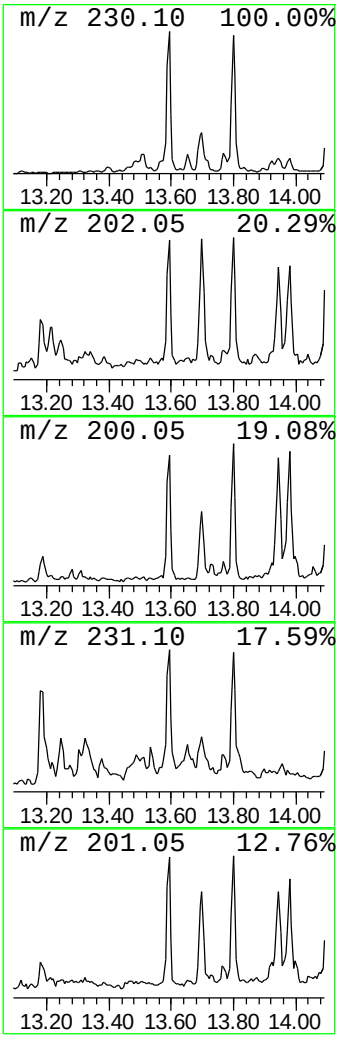
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.38 ng	224979	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5	o-Terphenyl	230	C18H14	000084-15-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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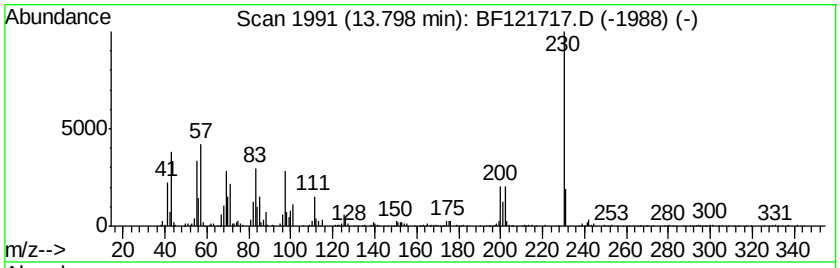
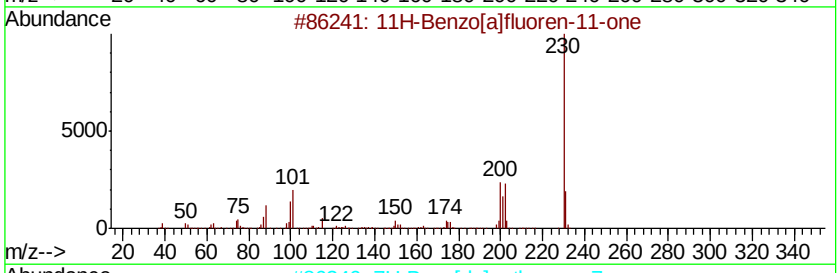
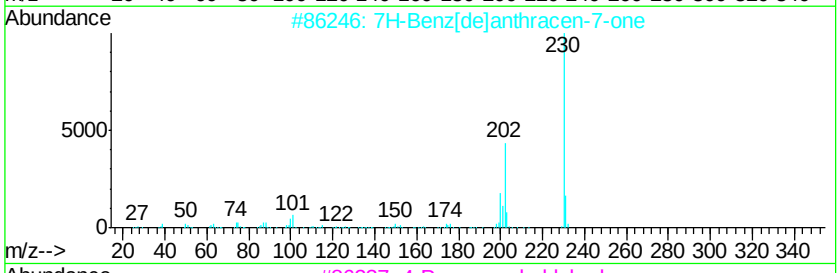
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 4

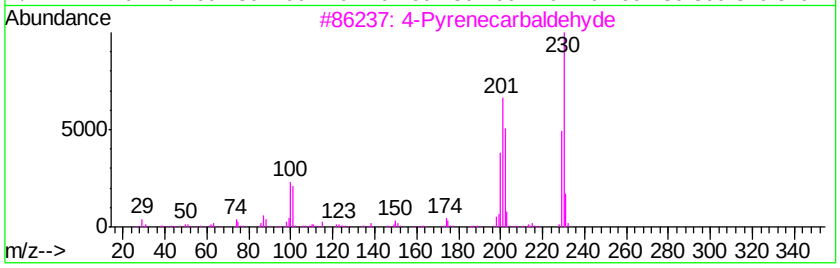
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.56 ng	619587	Chrysene-d12	13.96

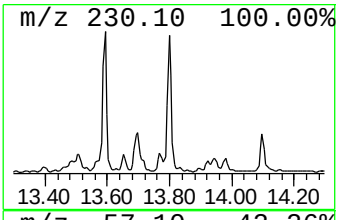
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	50
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	47
5	p-Terphenyl	230	C18H14	000092-94-4	38

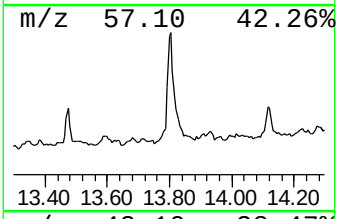


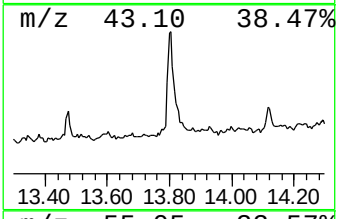


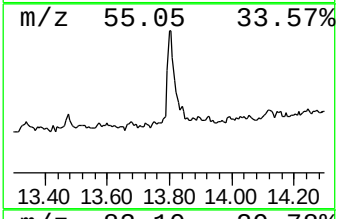


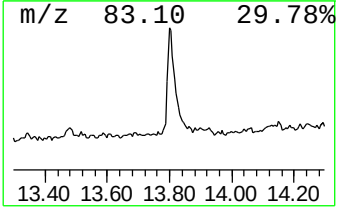












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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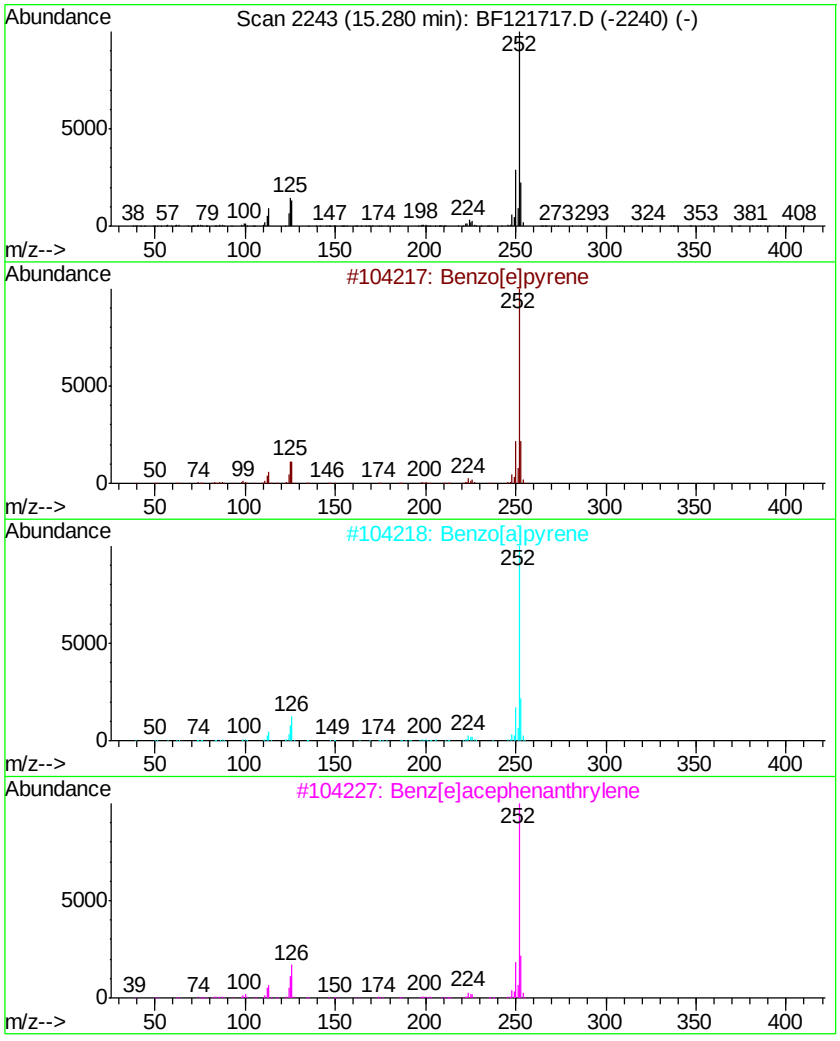
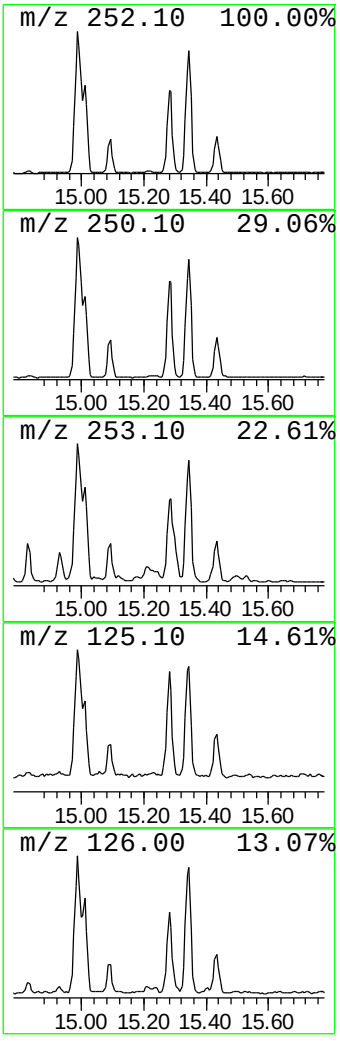
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	16.05 ng	733598	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121717.D
Acq On : 28 Sep 2020 17:42
Operator : JU/CG
Sample : L4154-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
3-Penten-2-one, 4...	4.37	3.2	ng	143018	1	6.79	891612	20.0
2-Pentanone, 4-hy...	5.00	41.9	ng	1867130	1	6.79	891612	20.0
Hexadecane	9.23	3.1	ng	197516	3	9.83	1262650	20.0
Heptacosane	10.49	2.9	ng	184077	3	9.83	1262650	20.0
2-Bromo dodecane	10.75	8.3	ng	484184	4	11.32	1168280	20.0
Eicosane	11.18	2.7	ng	155898	4	11.32	1168280	20.0
Dibenzothiophene	11.21	4.1	ng	237652	4	11.32	1168280	20.0
Heptadecane	11.61	2.3	ng	134178	4	11.32	1168280	20.0
1H-Cyclopropa[l]p...	11.82	2.4	ng	141318	4	11.32	1168280	20.0
Anthracene, 2-met...	11.85	3.9	ng	229833	4	11.32	1168280	20.0
4H-Cyclopenta[def...	11.93	5.6	ng	325466	4	11.32	1168280	20.0
9,10-Anthracenedione	12.14	2.4	ng	138095	4	11.32	1168280	20.0
Phenanthrene, 2,5...	12.36	2.6	ng	149586	4	11.32	1168280	20.0
unknown12.40	12.40	3.0	ng	177549	4	11.32	1168280	20.0
11H-Benzo[a]fluorene	13.08	2.5	ng	238001	5	13.96	1889890	20.0
Pyrene, 4-methyl-	13.19	2.5	ng	240990	5	13.96	1889890	20.0
11H-Benzo[a]fluor...	13.59	2.4	ng	224979	5	13.96	1889890	20.0
7H-Benz[de]anthra...	13.80	6.6	ng	619587	5	13.96	1889890	20.0
Benzo[e]pyrene	15.28	16.1	ng	733598	6	15.40	914033	20.0