LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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	4.363	383	387	395	rBV	278939	333295	5.73%	0.442%
2	4.998	490	495	512	rVB	749160	839240	14.43%	1.113%
3	5.410	562	565	580	rBV	1352125	1352484	23.25%	1.794%
4	6.428	734	738	755	rBV	2086996	1951871	33.56%	2.590%
5	6.792	797	800	804	rBV	1130722	913025	15.70%	1.211%
6	7.357	891	896	899	rBV	1793219	1552384	26.69%	2.060%
7	8.075	1013	1018	1027	rBV	1255929	1299244	22.34%	1.724%
8	9.151	1196	1201	1204	rBV	3195403	2691607	46.28%	3.571%
9	9.486	1254	1258	1261	rVV	124396	122658	2.11%	0.163%
10	9.545	1265	1268	1272	rVV	302191	260070	4.47%	0.345%
11	9.692	1290	1293	1296	rVB	228664	200859	3.45%	0.266%
12	9.827	1310	1316	1319	rBV	1537428	1392747	23.95%	1.848%
13	9.863	1319	1322	1325	rVB	402743	329104	5.66%	0.437%
14	10.033	1347	1351	1354	rVV	238306	216505	3.72%	0.287%
15	10.145	1364	1370	1373	rBV	90620	92555	1.59%	0.123%
16	10.233	1381	1385	1387	rBV	85536	105560	1.81%	0.140%
17	10.374	1406	1409	1415	rVB	424276	372812	6.41%	0.495%
18	10.439	1419	1420	1422	rVV	138827	96067	1.65%	0.127%
19	10.486	1426	1428	1430	rVV2	99550	93612	1.61%	0.124%
20	10.533	1433	1436	1440	rVV	182398	201940	3.47%	0.268%
21	10.616	1444	1450	1454	rVV	840233	797063	13.70%	1.057%
22	10.739	1466	1471	1478	rVB3	130961	182047	3.13%	0.242%
23	10.922	1496	1502	1505	rBV3	188903	283116	4.87%	0.376%
24	10.951	1505	1507	1510	rVV2	160566	149076	2.56%	0.198%
25	11.004	1514	1516	1519	rVB2	112087	107011	1.84%	0.142%
26	11.051	1522	1524	1526	rVV2	138978	147646	2.54%	0.196%
27	11.074	1526	1528	1533	rVV2	176291	197914	3.40%	0.263%
28	11.121	1533	1536	1539	rVV2	214241	212804	3.66%	0.282%
29	11.163	1539	1543	1549	rVV4	159830	312741	5.38%	0.415%
30	11.210	1549	1551	1557	rVB	278185	263065	4.52%	0.349%
31	11.316	1563	1569	1571	rBV	1375388	1467298	25.23%	1.947%
32	11.345	1571	1574	1577	rVV	4127268	3639526	62.58%	4.829%
33	11.392	1577	1582	1585	rVV	1323238	1135453	19.52%	1.506%
34	11.421	1585	1587	1590	rVB2	140882	138941	2.39%	0.184%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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	11.545	1602	1608	1610	rBV	341758	345307	5.94%	0.458%
36	11.563	1610	1611	1616	rVV3	85028	107785	1.85%	0.143%
37	11.610	1616	1619	1621	rVV	264958	212849	3.66%	0.282%
38	11.645	1622	1625	1631	rVB3	183997	193691	3.33%	0.257%
39	11.816	1648	1654	1656	rBV	945689	853465	14.67%	1.132%
40	11.845	1656	1659	1662	rVB	1277885	1039975	17.88%	1.380%
41	11.892	1662	1667	1670	rBV	519622	478578	8.23%	0.635%
42	11.927	1670	1673	1675	rVV	1408634	1491248	25.64%	1.978%
43	11.951	1675	1677	1681	rVB	793735	631410	10.86%	0.838%
44	11.998	1681	1685	1687	rBV3	94414	115930	1.99%	0.154%
45	12.021	1687	1689	1691	rVV3	108477	95193	1.64%	0.126%
46	12.110	1701	1704	1707	rVV	734863	630960	10.85%	0.837%
47	12.139	1707	1709	1712	rVV2	328124	260997	4.49%	0.346%
48	12.186	1715	1717	1721	rBV	124089	104904	1.80%	0.139%
49	12.257	1727	1729	1732	rVB	224208	192037	3.30%	0.255%
50	12.292	1732	1735	1737	rBV	239732	170952	2.94%	0.227%
51	12.316	1737	1739	1742	rVB	214562	153123	2.63%	0.203%
52	12.368	1744	1748	1750	rBV	595320	664166	11.42%	0.881%
53	12.404	1750	1754	1756	rVV	422197	513374	8.83%	0.681%
54	12.457	1759	1763	1767	rVB2	390008	486013	8.36%	0.645%
55	12.539	1771	1777	1780	rBV	4552619	5074715	87.25%	6.733%
56	12.574	1780	1783	1784	rVV	143863	115485	1.99%	0.153%
57	12.592	1784	1786	1789	rVV2	201301	169315	2.91%	0.225%
58	12.674	1794	1800	1804	rBV3	223341	447219	7.69%	0.593%
59	12.768	1809	1816	1820	rVV2	4260910	5816151	100.00%	7.716%
60	12.804	1820	1822	1827	rVB2	298757	379954	6.53%	0.504%
61	12.874	1830	1834	1835	rBV2	325847	289932	4.98%	0.385%
62	12.898	1835	1838	1845	rVB	2539630	2626122	45.15%	3.484%
63	12.974	1846	1851	1855	rBV3	469956	755696	12.99%	1.003%
64	13.063	1862	1866	1867	rVV4	381420	472235	8.12%	0.627%
65	13.086	1867	1870	1873	rVB	778071	772872	13.29%	1.025%
66	13.151	1878	1881	1883	rVB	570094	435697	7.49%	0.578%
67	13.186	1883	1887	1890	rBV2	674723	693999	11.93%	0.921%
68	13.210	1890	1891	1895	rVB	158465	144401	2.48%	0.192%
69	13.280	1900	1903	1905	rBV	440630	333088	5.73%	0.442%
70	13.310	1905	1908	1911	rVB	439585	387826	6.67%	0.515%
71	13.486	1931	1938	1940	rBV5	153136	339520	5.84%	0.450%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

72	13.568	1949	1952	1953	rBV3	116572	115864	1.99%	0.154%
73	13.592	1953	1956	1960	rVB	440697	456577	7.85%	0.606%
74	13.698	1970	1974	1977	rBV2	439603	558104	9.60%	0.740%
75	13.727	1977	1979	1982	rVV	490454	496636	8.54%	0.659%
76	13.757	1982	1984	1988	rVV2	321089	454130	7.81%	0.602%
77	13.798	1988	1991	2000	rVB2	675365	796103	13.69%	1.056%
78	13.951	2010	2017	2020	rBV2	2733958	4007027	68.89%	5.316%
79	13.986	2020	2023	2028	rVB	2403301	2219862	38.17%	2.945%
80	14.062	2033	2036	2038	rBV	368987	314661	5.41%	0.417%
81	14.180	2052	2056	2059	rBV2	184793	233384	4.01%	0.310%
82	14.210	2059	2061	2064	rBV2	112368	96367	1.66%	0.128%
83	14.304	2074	2077	2079	rBV	159050	148904	2.56%	0.198%
84	14.339	2080	2083	2086	rVV	632977	595398	10.24%	0.790%
85	14.374	2086	2089	2092	rVB	298896	276452	4.75%	0.367%
86	14.462	2101	2104	2106	rBV	293351	255825	4.40%	0.339%
87	14.486	2106	2108	2111	rVB	289704	230909	3.97%	0.306%
88	14.645	2133	2135	2137	rBV2	116163	94442	1.62%	0.125%
89	14.721	2146	2148	2151	rBV2	124767	131617	2.26%	0.175%
90	14.992	2188	2194	2196	rBV	1831278	2772752	47.67%	3.679%
91	15.086	2207	2210	2214	rVB	365626	393116	6.76%	0.522%
92	15.286	2239	2244	2249	rVB	1113816	1574532	27.07%	2.089%
93	15.351	2249	2255	2259	rBV	1761758	2173562	37.37%	2.884%
94	15.404	2260	2264	2267	rVV	816940	1094516	18.82%	1.452%
95	15.433	2267	2269	2275	rVB2	550344	681149	11.71%	0.904%
96	16.503	2448	2451	2461	rVB7	192255	394003	6.77%	0.523%
97	16.839	2501	2508	2515	rVB2	781019	1560591	26.83%	2.070%
98	17.062	2541	2546	2551	rBV3	157525	282549	4.86%	0.375%
99	17.268	2574	2581	2589	rVB	586384	1232991	21.20%	1.636%
100	17.486	2615	2618	2626	rVB	150158	285139	4.90%	0.378%

Sum of corrected areas: 75374686

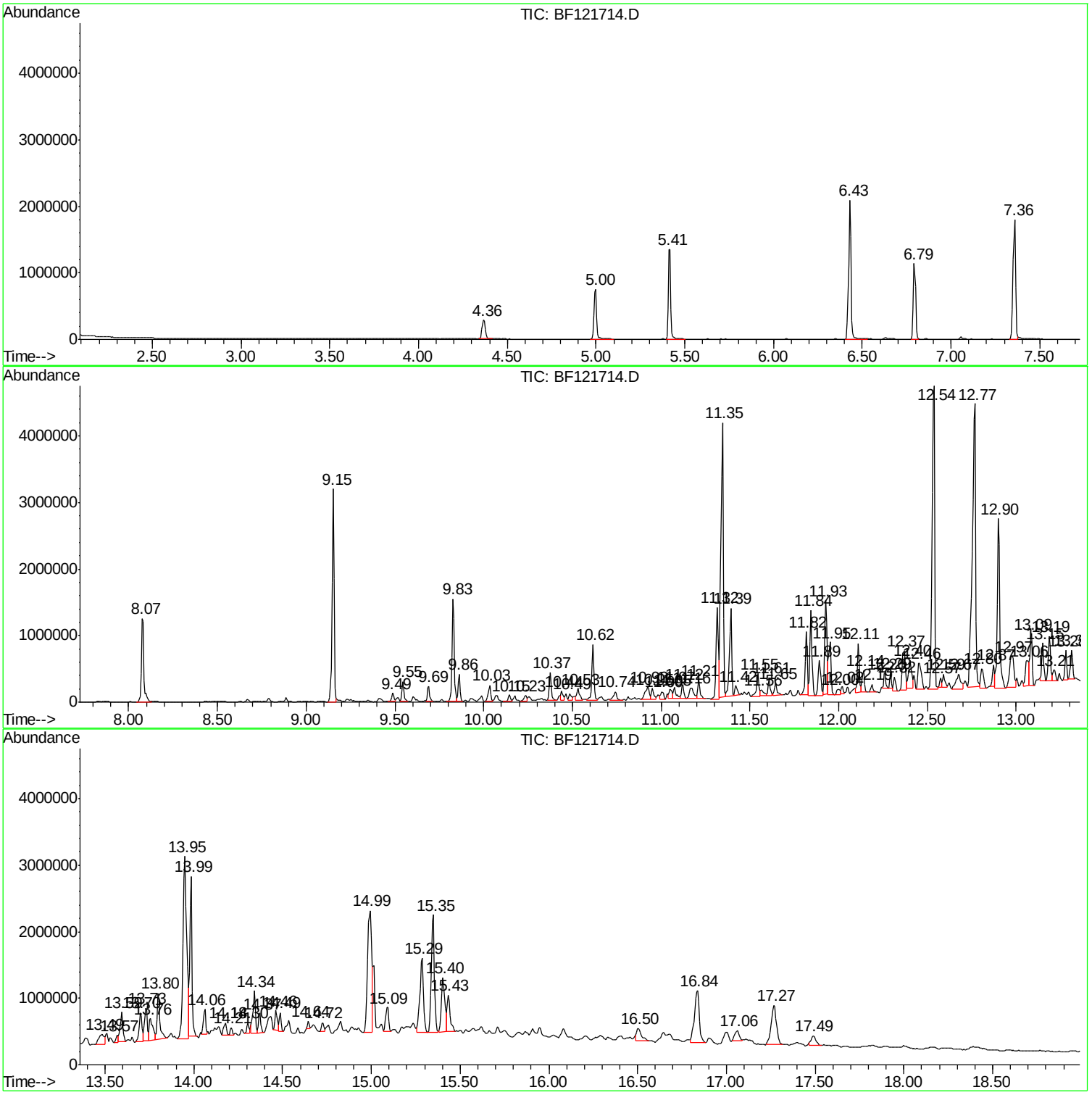
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

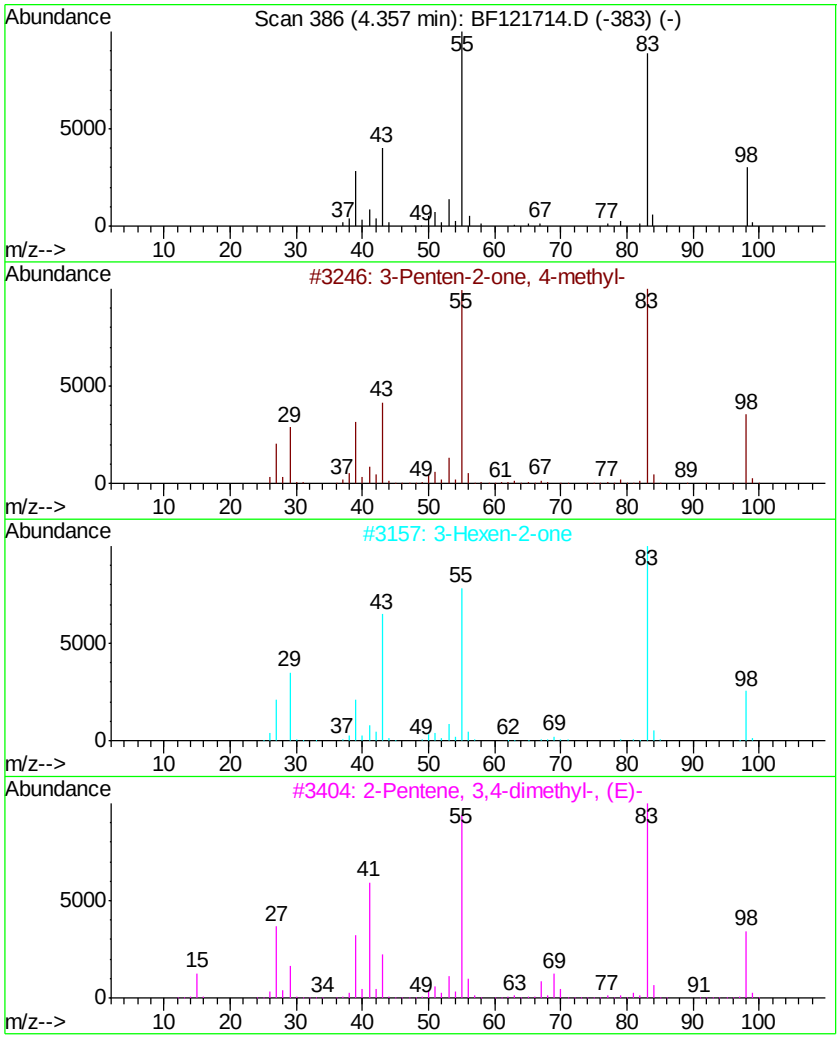
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

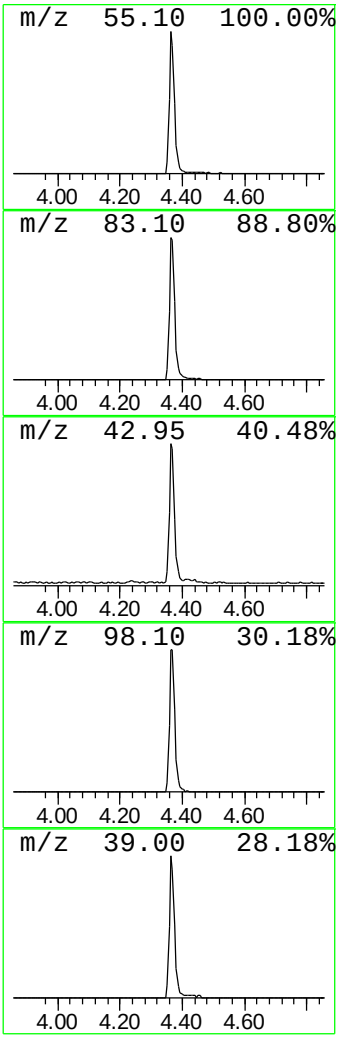
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	7.30 ng	333295	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	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

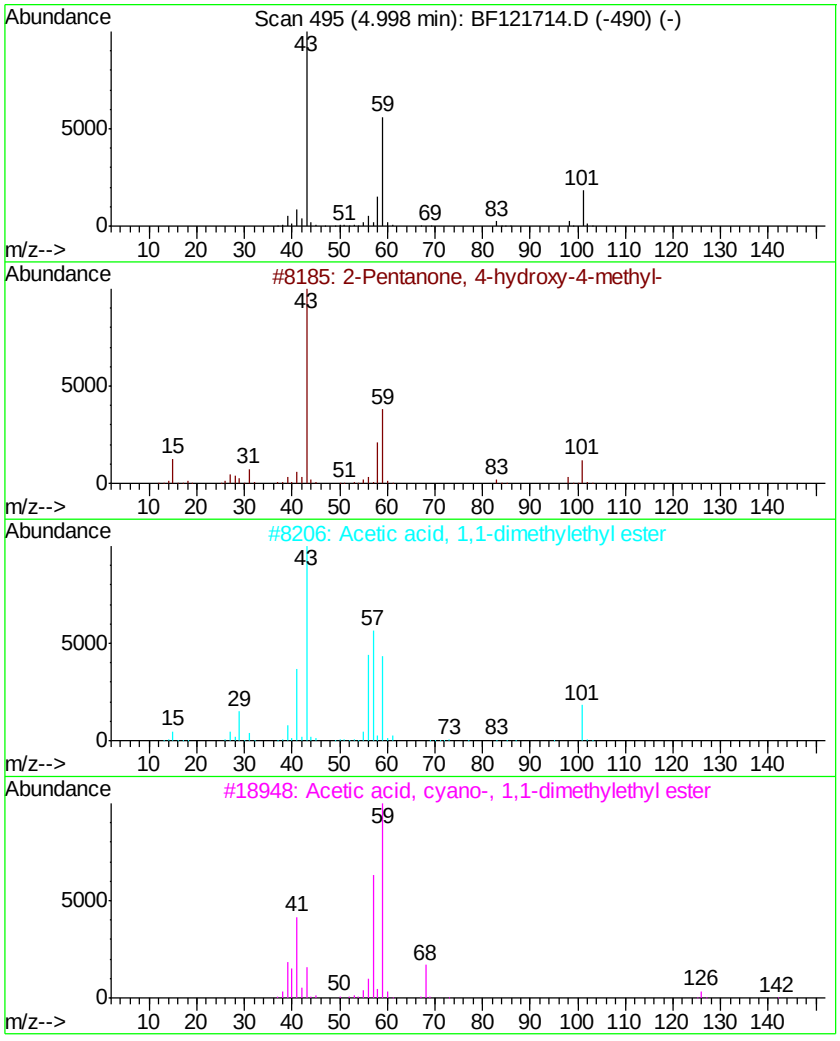
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

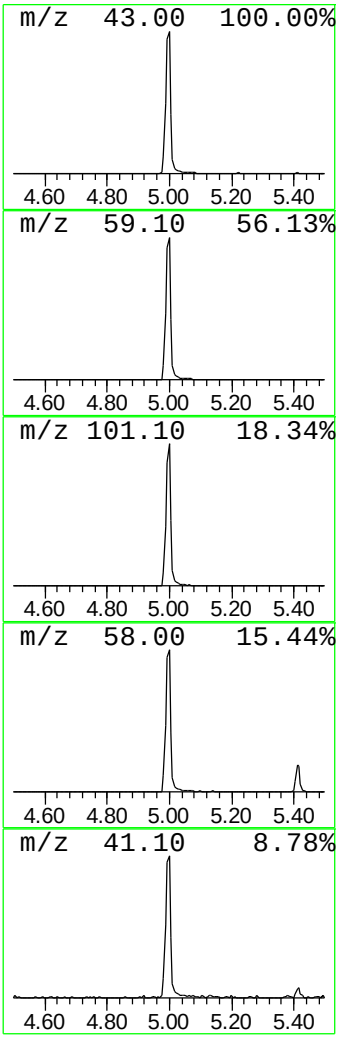
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	18.38 ng	839240	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	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

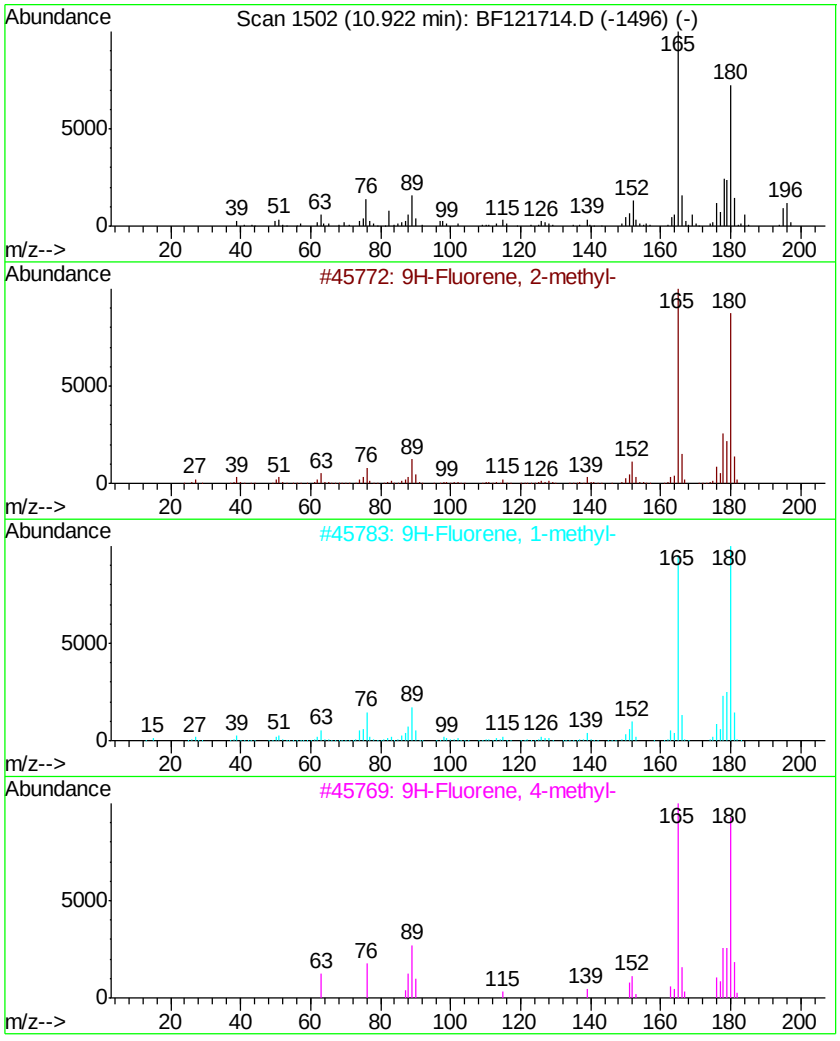
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

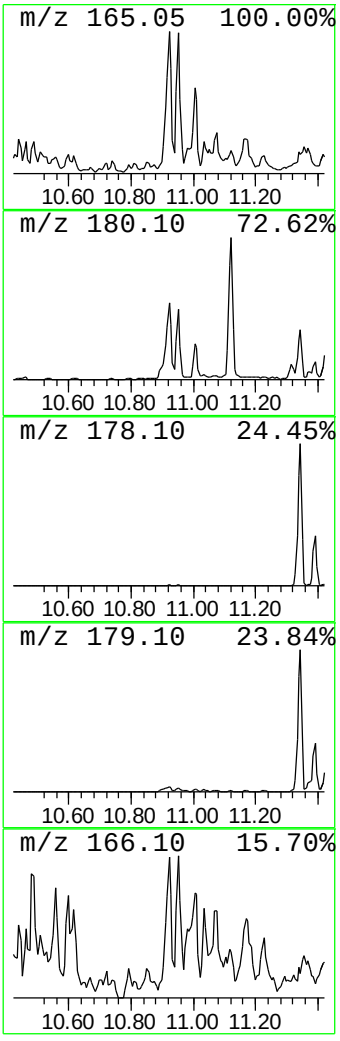
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	3.86 ng	283116	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

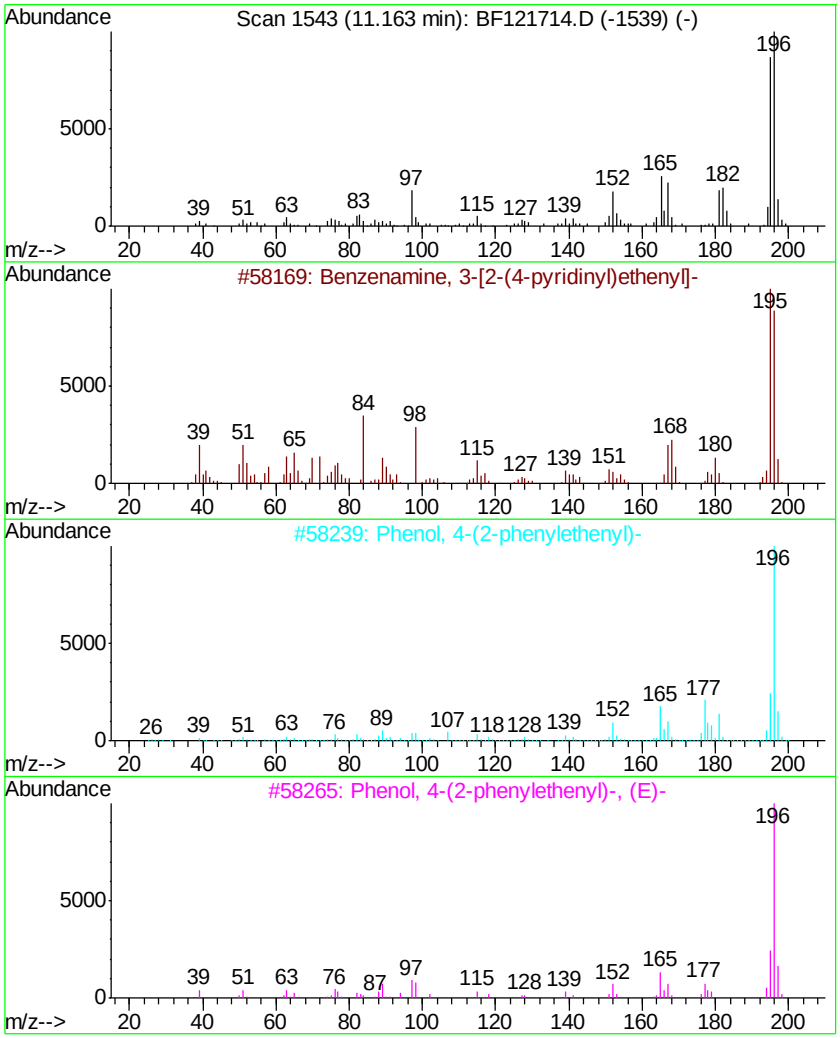
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

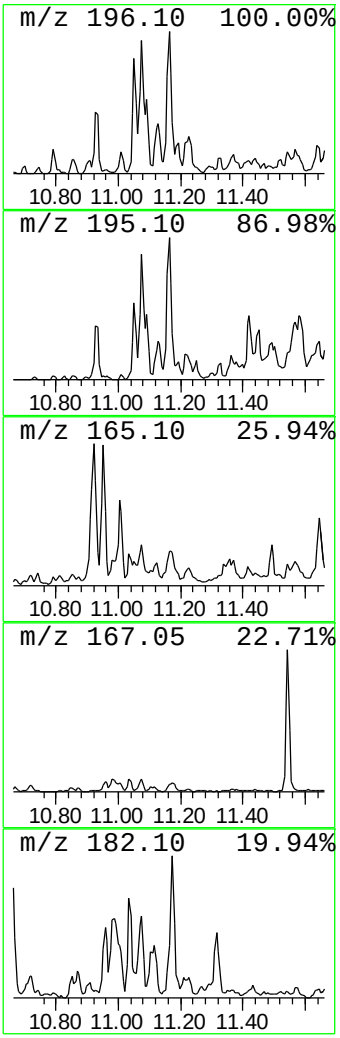
****

Peak Number 4 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.26 ng	312741	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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

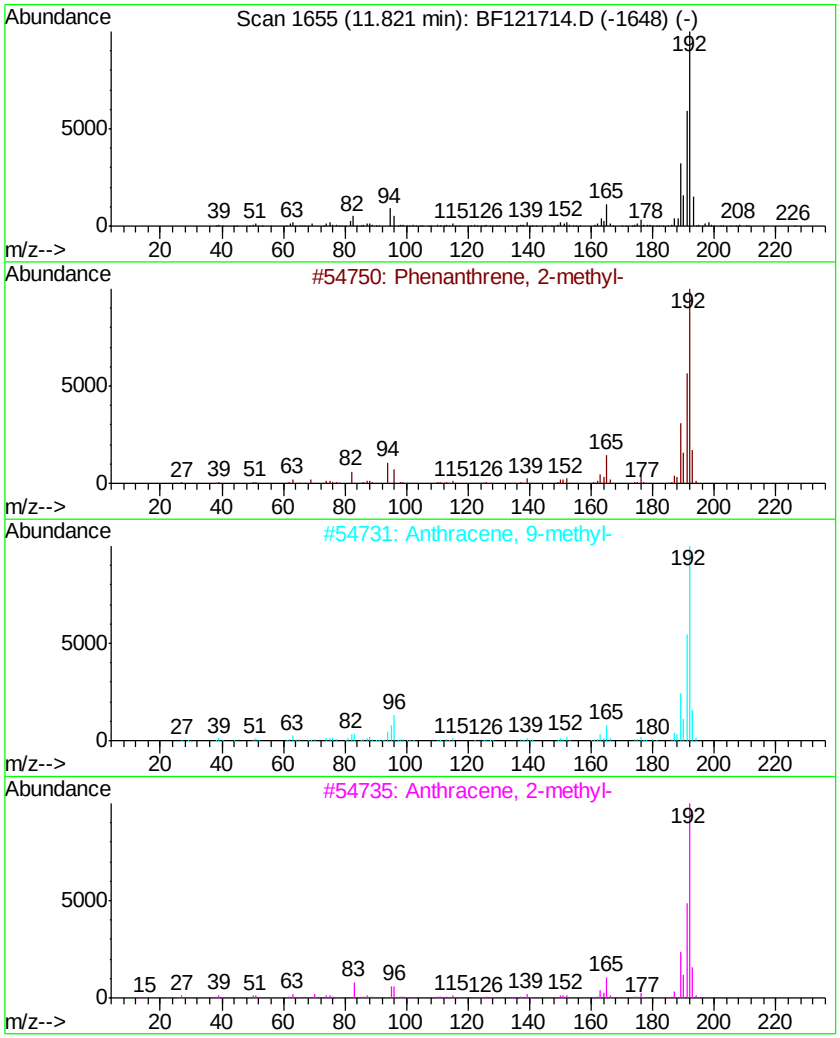
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

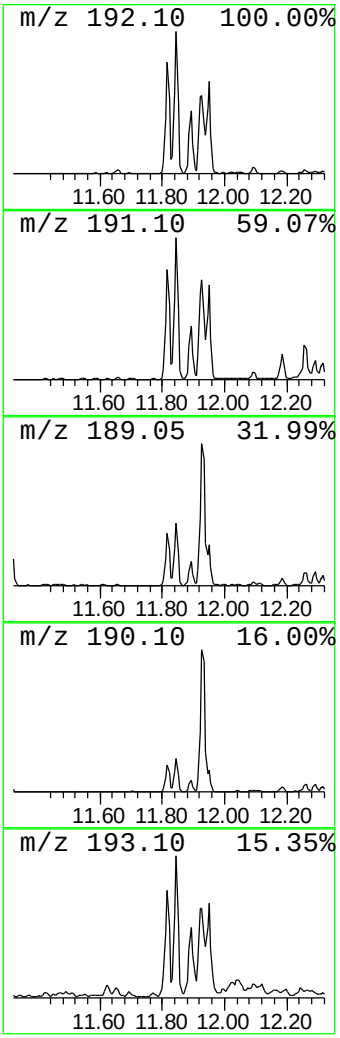
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	11.63 ng	853465	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

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Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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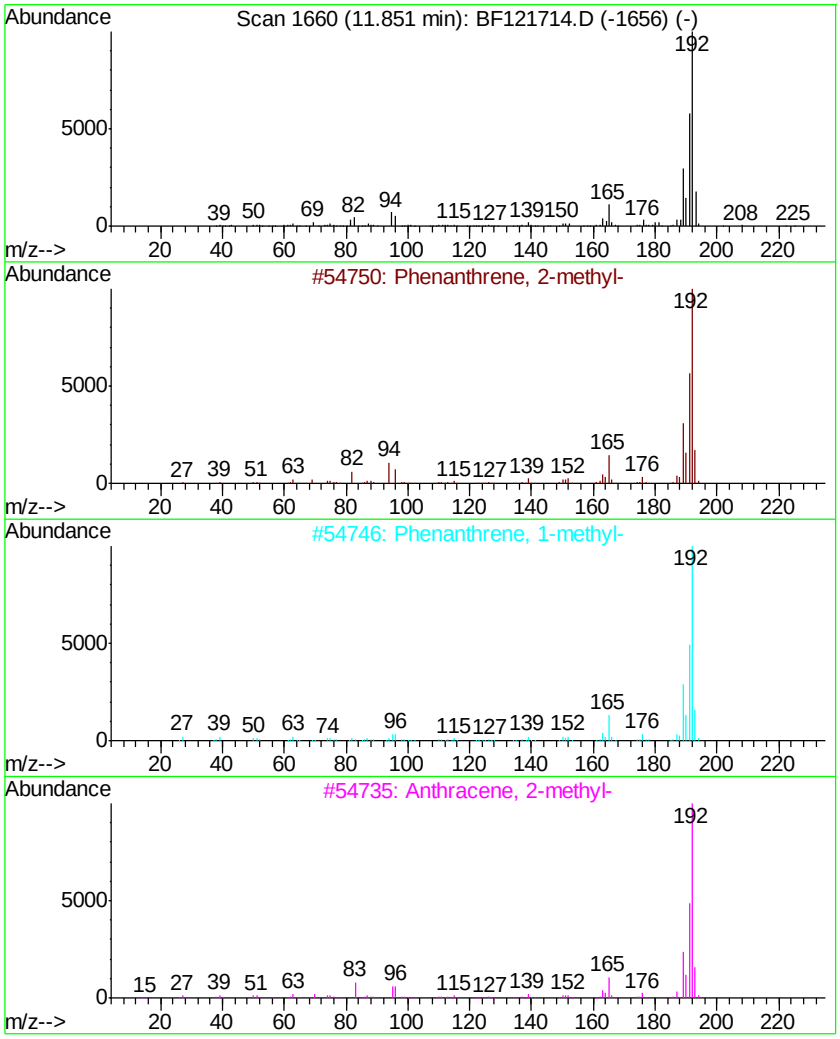
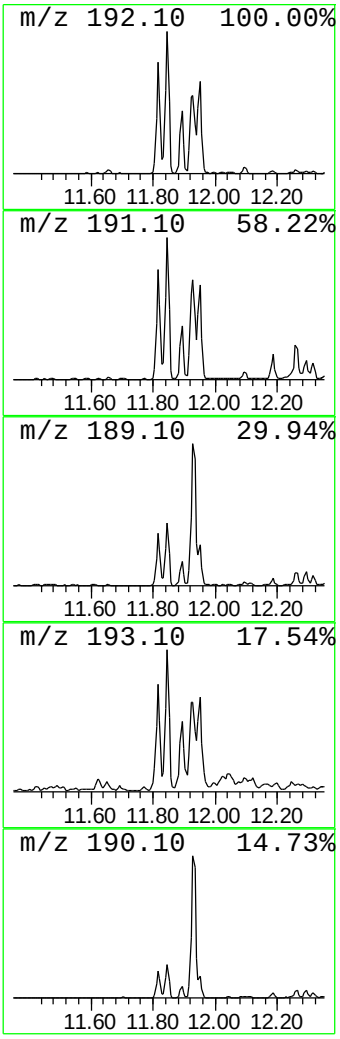
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	14.18 ng	1039980	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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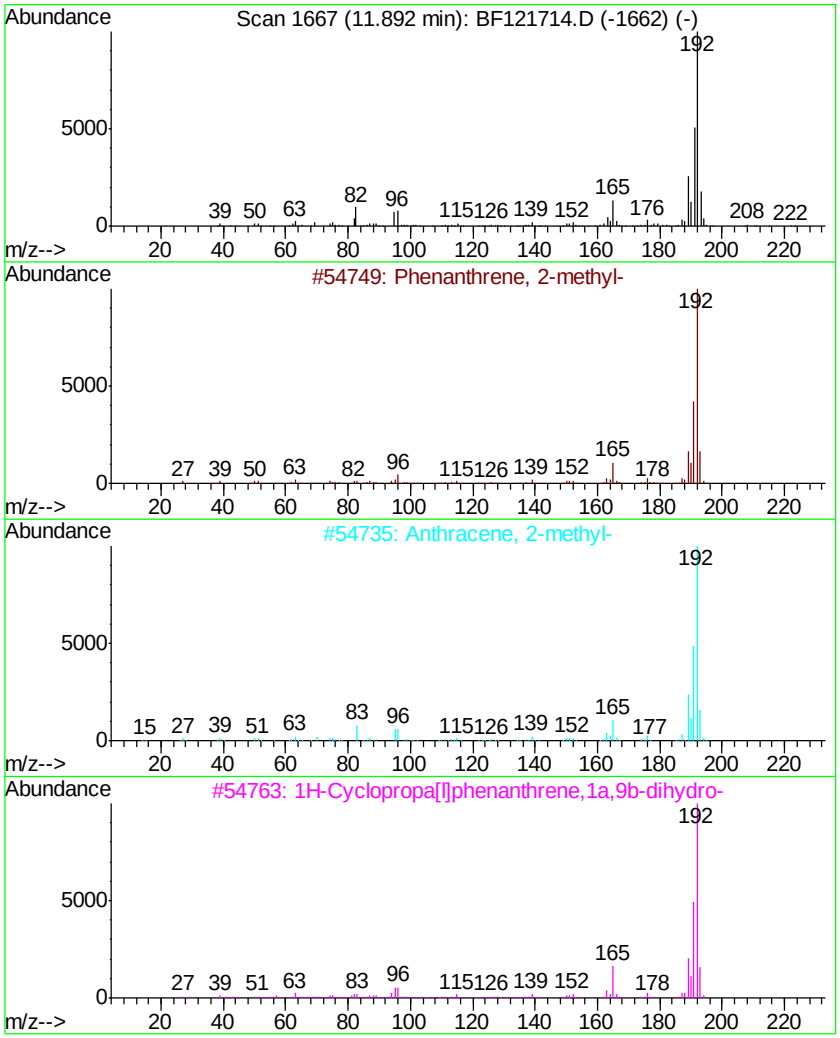
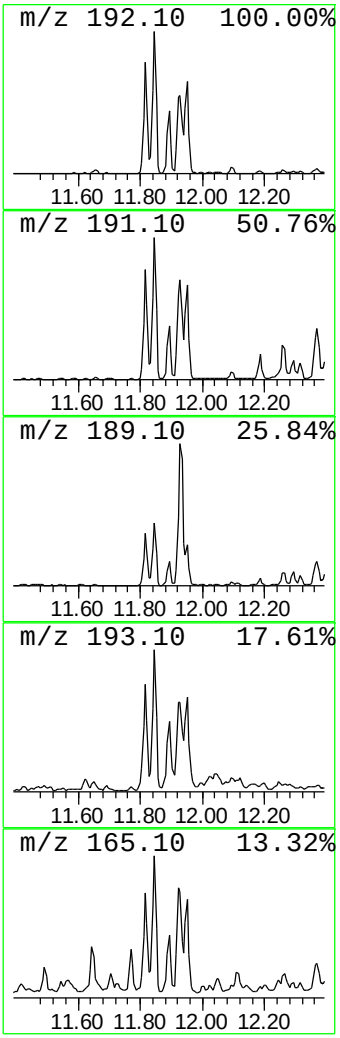
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.52 ng	478578	Phenanthrene-d10	11.32

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





Library Search Compound Report

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Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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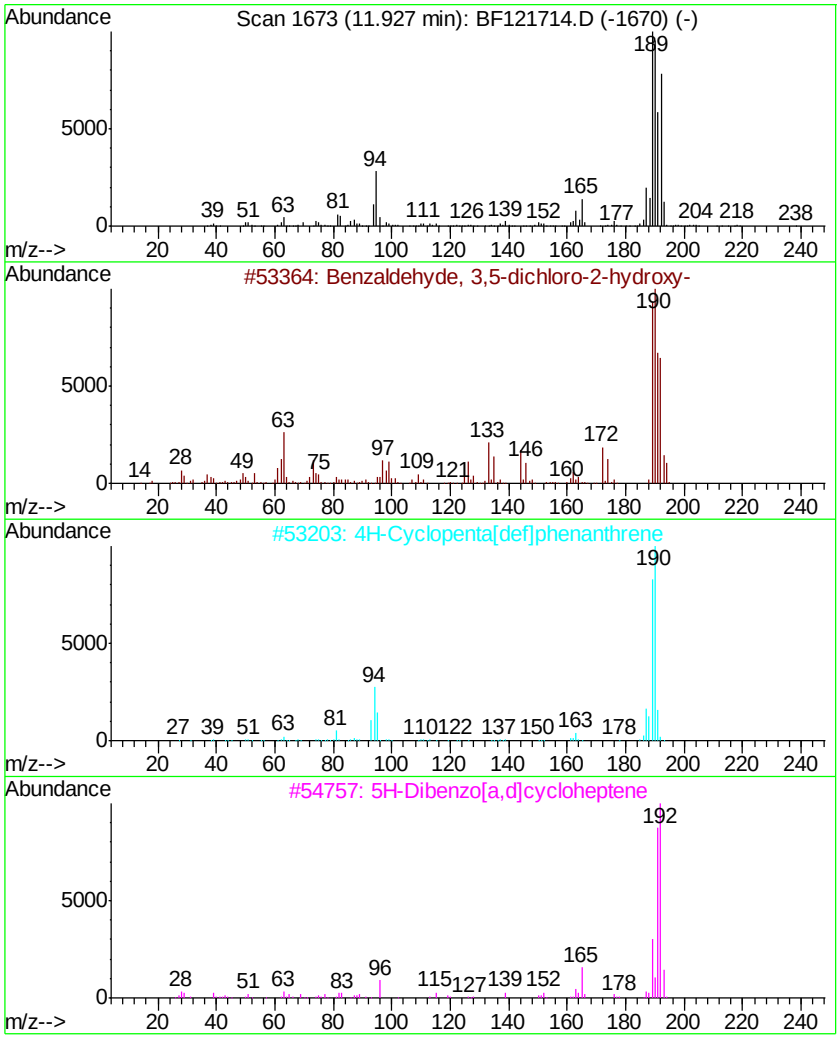
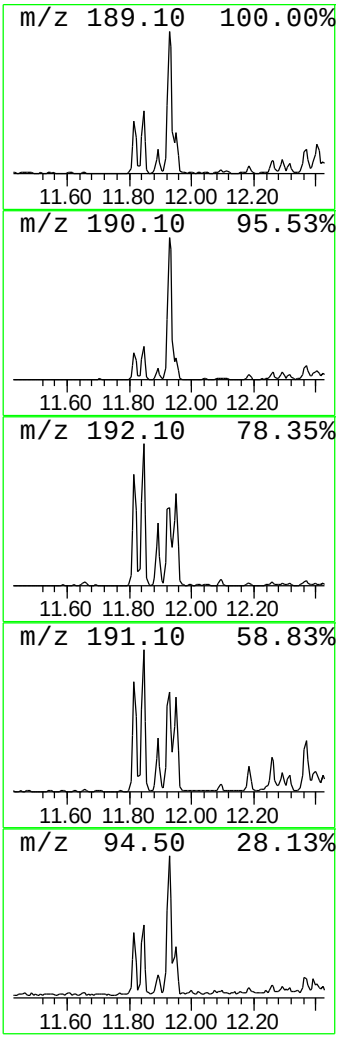
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	20.33 ng	1491250	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





Library Search Compound Report

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Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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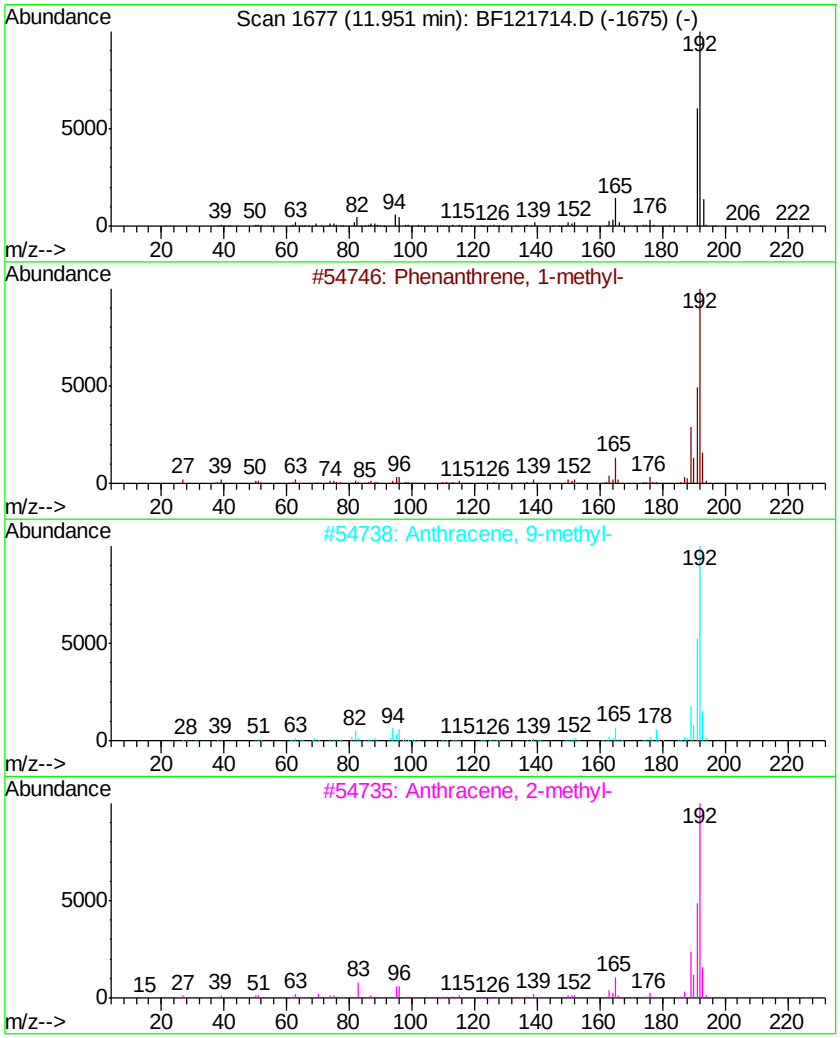
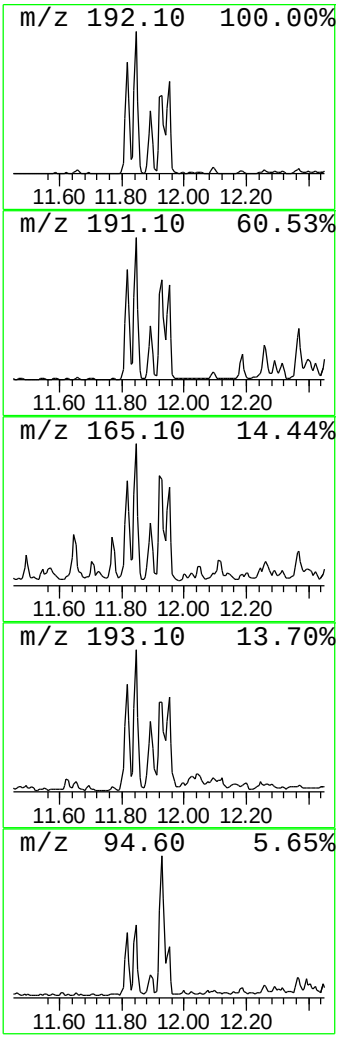
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.61 ng	631410	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





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Acq On : 28 Sep 2020 16:09
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Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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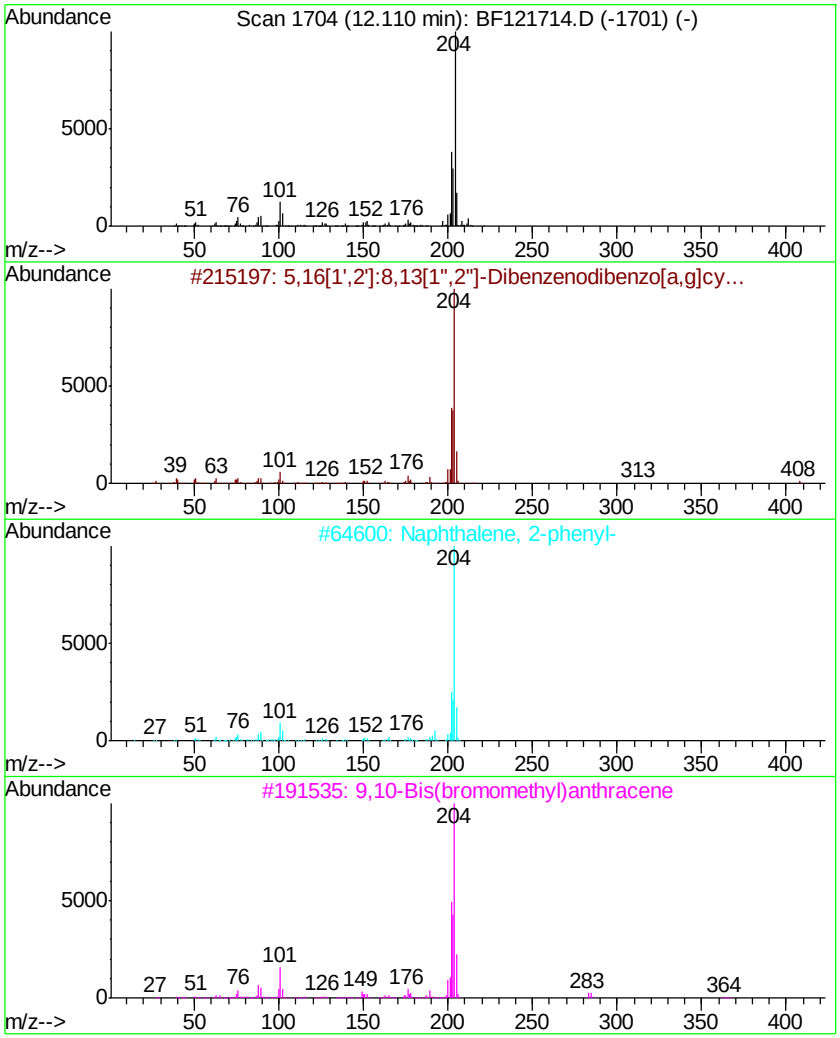
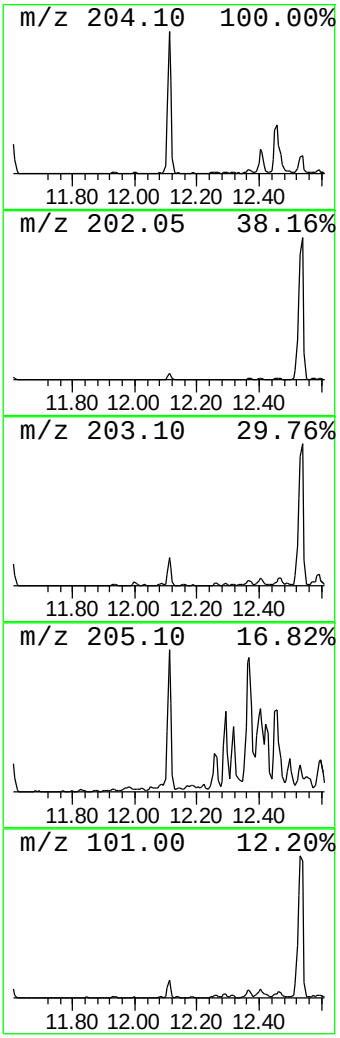
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.60 ng	630960	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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ClientSampleId : B-4(12-14)

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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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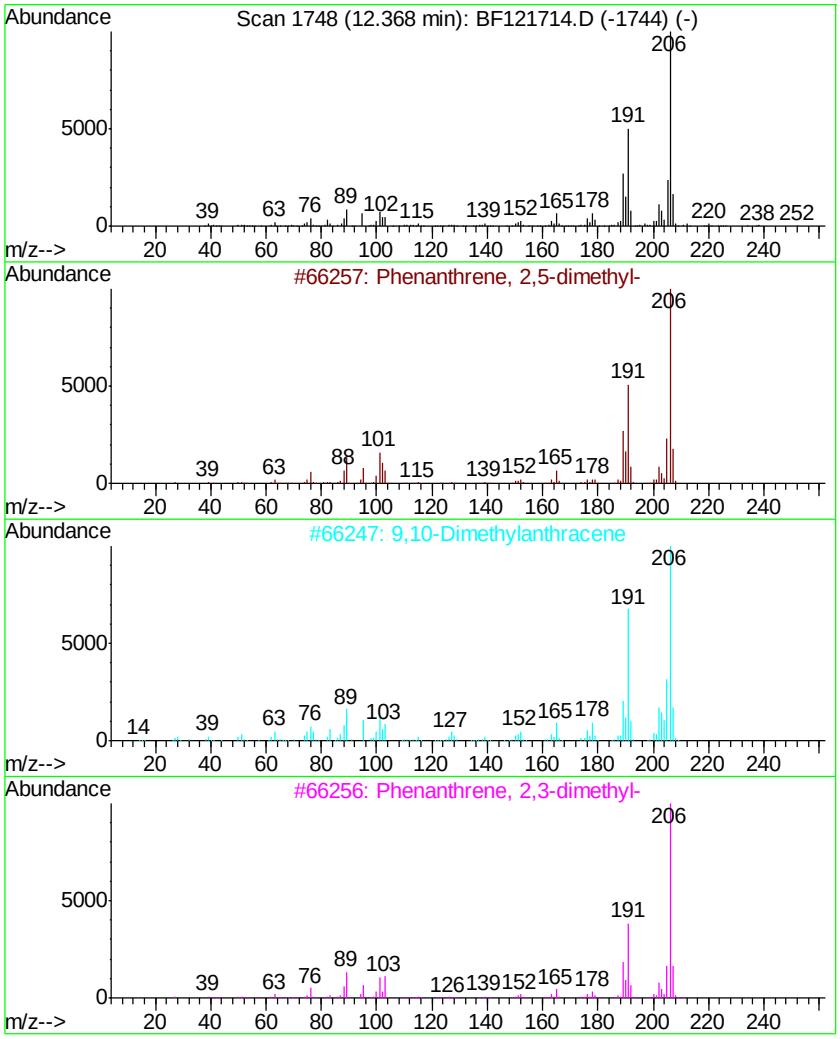
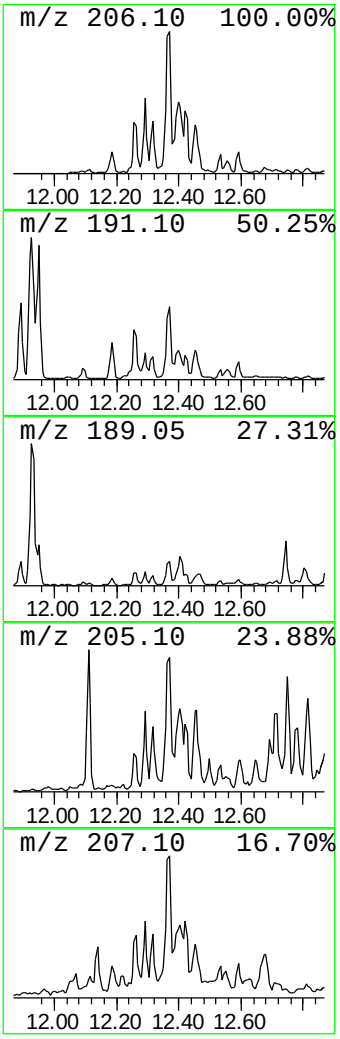
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	9.05 ng	664166	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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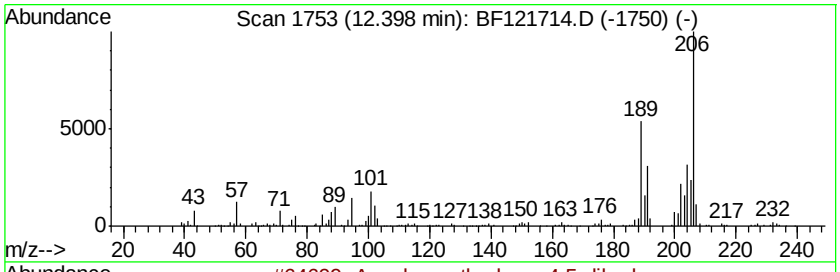
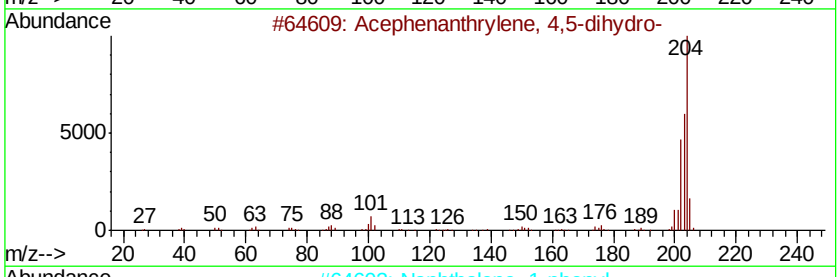
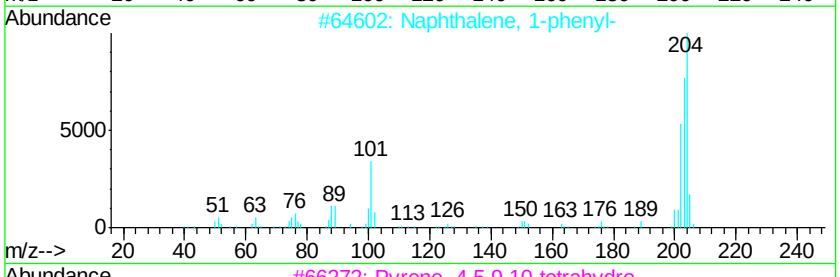
Peak Number 12 unknown12.40 Concentration Rank 12

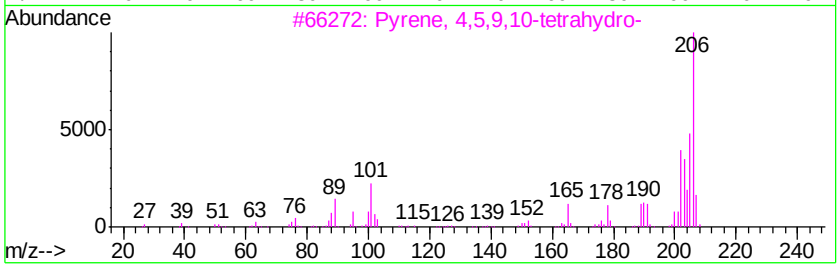
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	7.00 ng	513374	Phenanthrene-d10	11.32

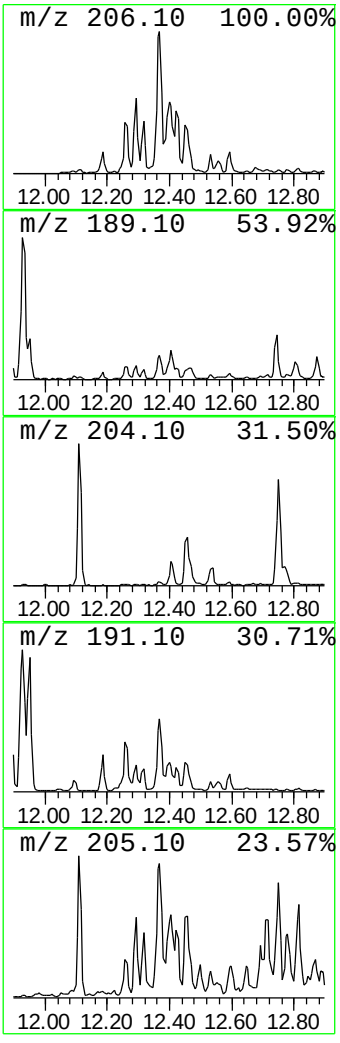
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30











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Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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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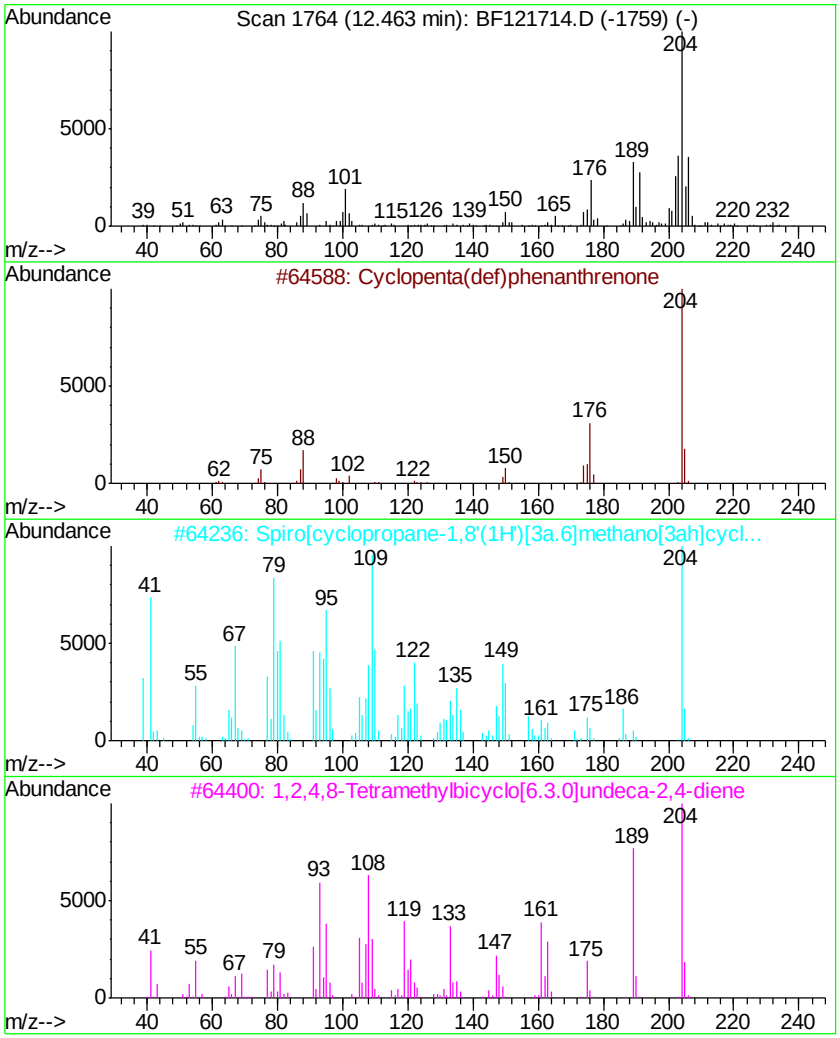
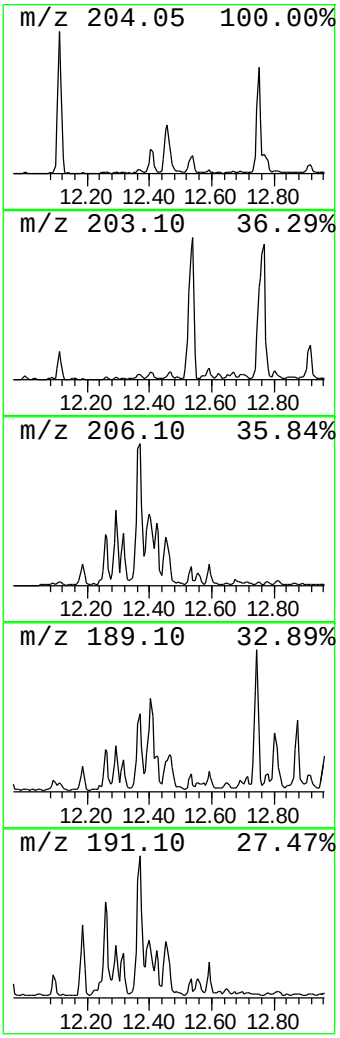
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.62 ng	486013	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	Spiro[cyclopropane-1,8'(1H')[3a....	204	C14H20O	452049-62-6	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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Sample : L4154-07
Misc :
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ClientSampleId : B-4(12-14)

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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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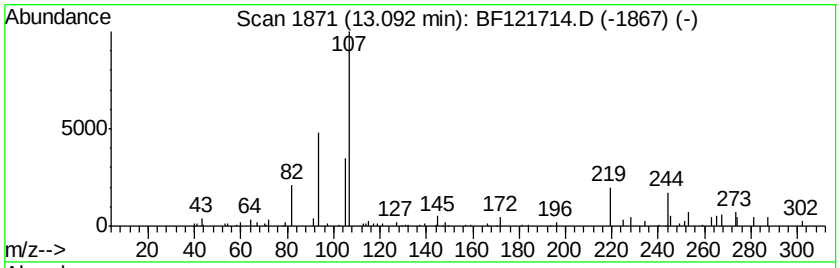
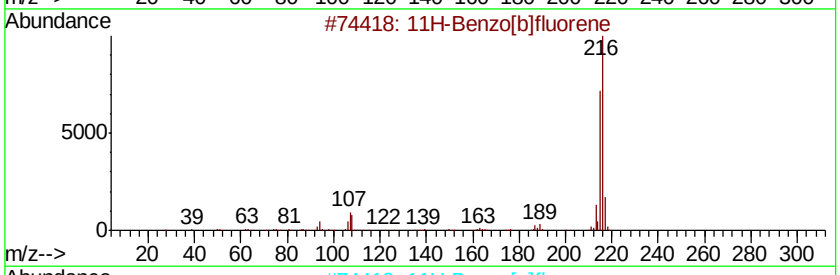
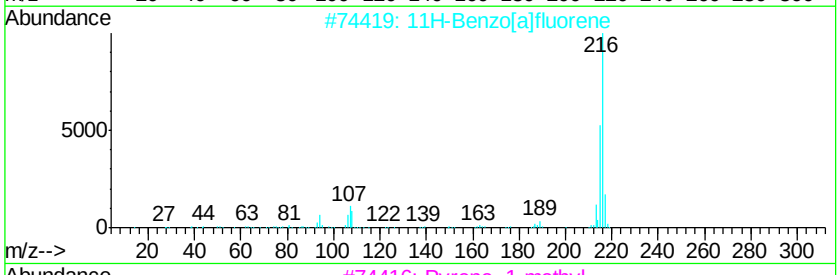
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

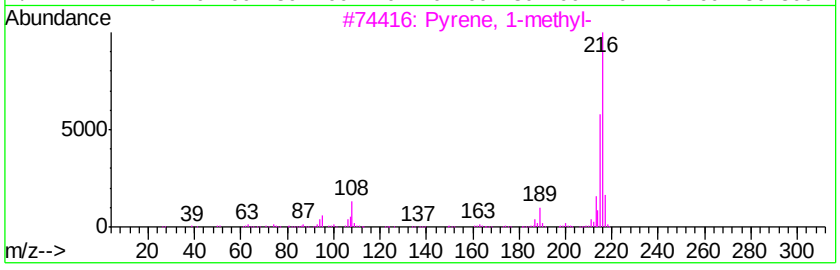
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.86 ng	772872	Chrysene-d12	13.96

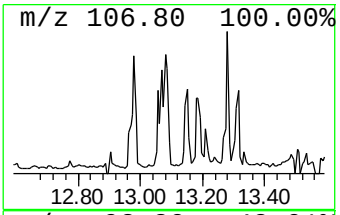
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74

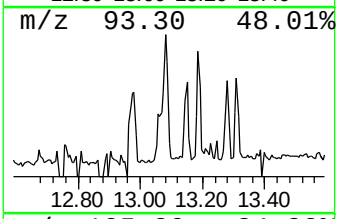


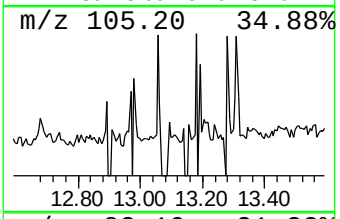


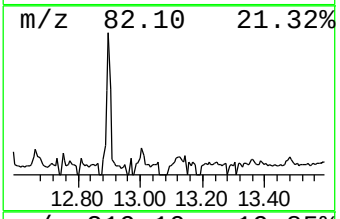


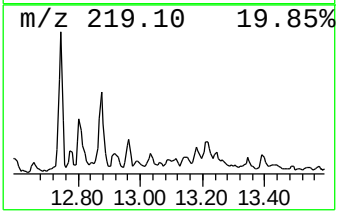












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Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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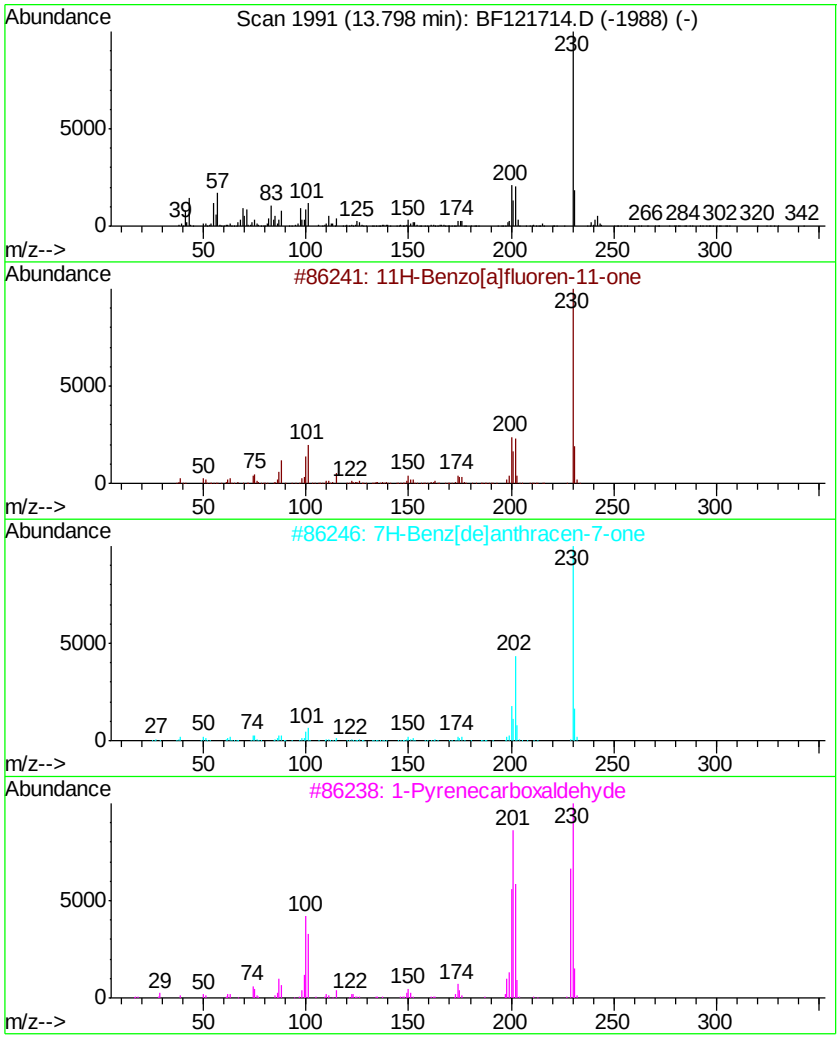
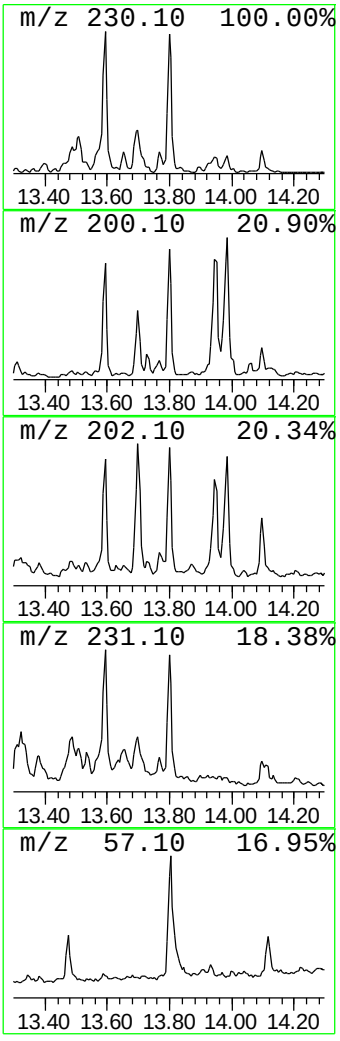
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.97 ng	796103	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	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	o-Terphenyl	230	C18H14	000084-15-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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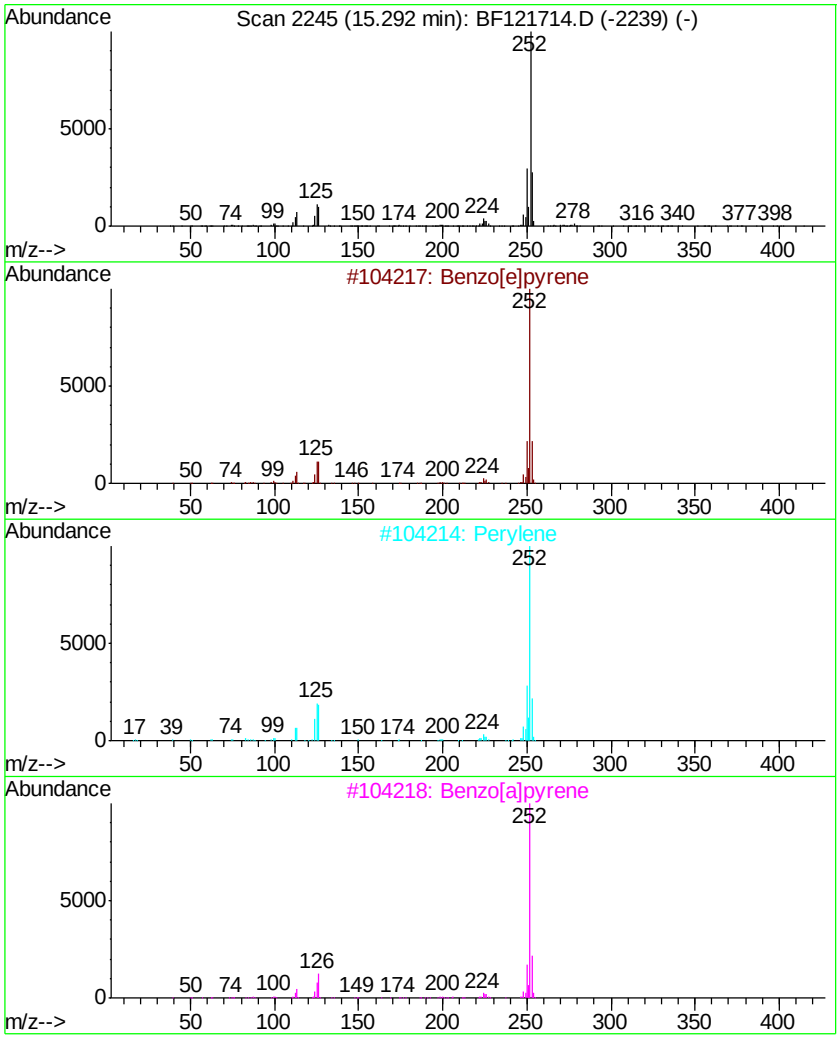
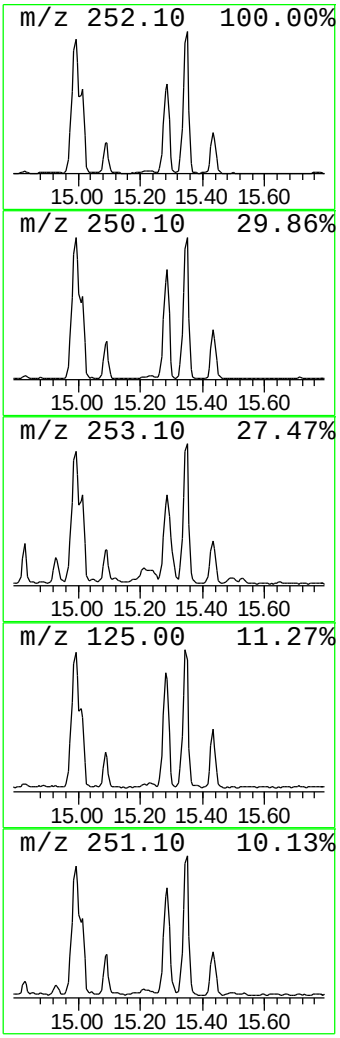
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	28.77 ng	1574530	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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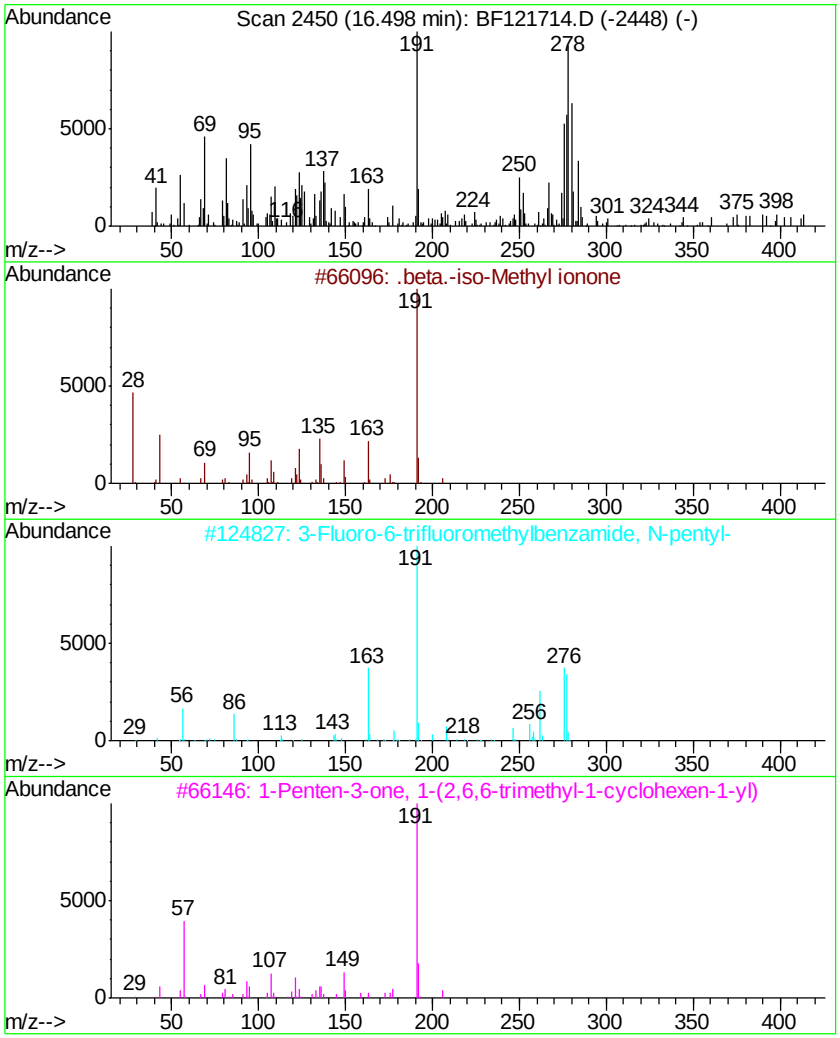
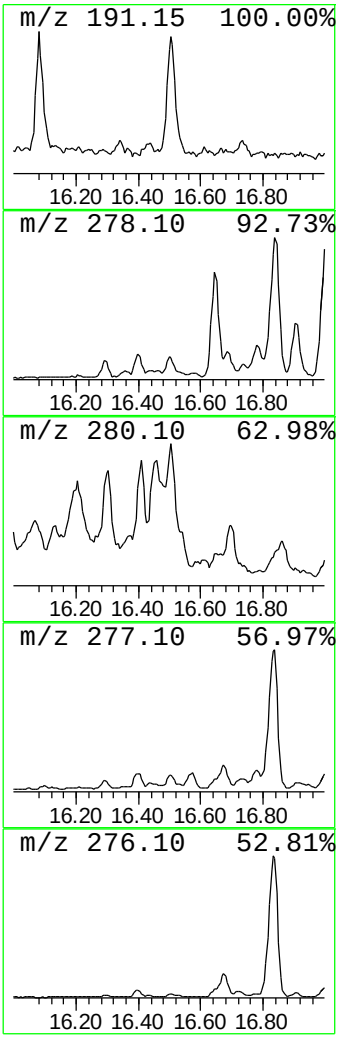
Peak Number 18 unknown16.50 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	7.20 ng	394003	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	35
2	3-Fluoro-6-trifluoromethylbenzam...	277	C13H15F4NO	1000358-07-5	35
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	25
4	4-Isothiazolecarbonitrile, 3-(p-...	278	C11H7BrN2S	019762-79-9	25
5	Anthracene, 9-heptyl-	276	C21H24	1000157-50-3	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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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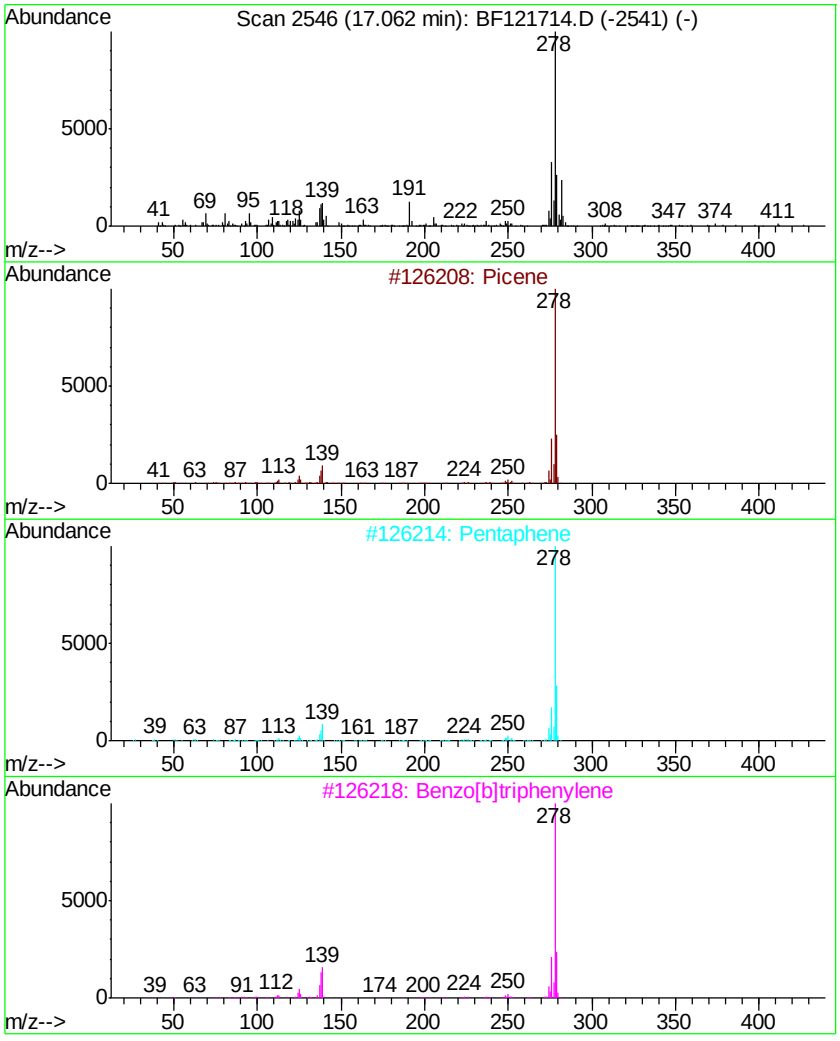
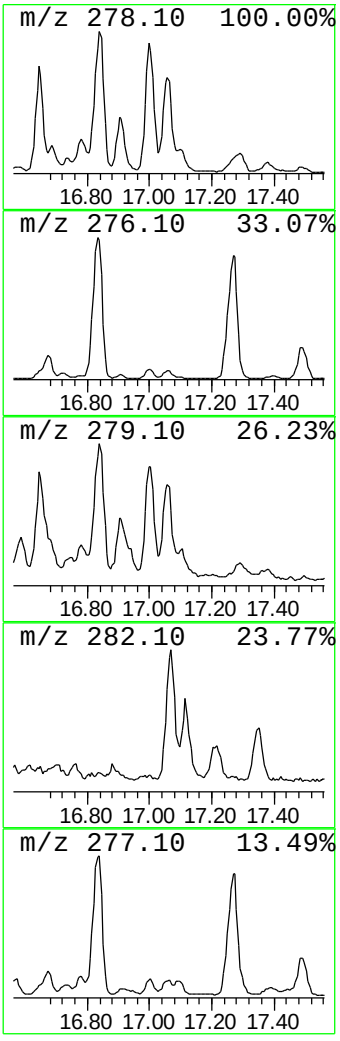
Peak Number 19 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	5.16 ng	282549	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Pentaphene	278	C22H14	000222-93-5	92
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
5	Pentacene	278	C22H14	000135-48-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121714.D
Acq On : 28 Sep 2020 16:09
Operator : JU/CG
Sample : L4154-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4(12-14)

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...	4.36	7.3	ng	333295	1	6.79	913025	20.0
2-Pentanone, 4-hy...	5.00	18.4	ng	839240	1	6.79	913025	20.0
9H-Fluorene, 2-me...	10.92	3.9	ng	283116	4	11.32	1467300	20.0
Benzenamine, 3-[2...	11.16	4.3	ng	312741	4	11.32	1467300	20.0
Anthracene, 9-met...	11.82	11.6	ng	853465	4	11.32	1467300	20.0
Phenanthrene, 2-m...	11.85	14.2	ng	1039980	4	11.32	1467300	20.0
Anthracene, 2-met...	11.89	6.5	ng	478578	4	11.32	1467300	20.0
Benzaldehyde, 3,5...	11.93	20.3	ng	1491250	4	11.32	1467300	20.0
Phenanthrene, 1-m...	11.95	8.6	ng	631410	4	11.32	1467300	20.0
5,16[1',2']:8,13[...	12.11	8.6	ng	630960	4	11.32	1467300	20.0
Phenanthrene, 2,5...	12.37	9.1	ng	664166	4	11.32	1467300	20.0
unknown12.40	12.40	7.0	ng	513374	4	11.32	1467300	20.0
Cyclopenta(def)ph...	12.46	6.6	ng	486013	4	11.32	1467300	20.0
11H-Benzo[b]fluorene	13.09	3.9	ng	772872	5	13.96	4007030	20.0
11H-Benzo[a]fluor...	13.80	4.0	ng	796103	5	13.96	4007030	20.0
Benzo[e]pyrene	15.29	28.8	ng	1574530	6	15.40	1094520	20.0
unknown16.50	16.50	7.2	ng	394003	6	15.40	1094520	20.0
Picene	17.06	5.2	ng	282549	6	15.40	1094520	20.0