LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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	4.316	376	379	386	rBV	18743	28193	1.07%	0.120%
2	4.957	484	488	496	rBV	36120	54460	2.06%	0.231%
3	5.381	556	560	580	rBV	1684412	1850195	70.05%	7.861%
4	6.404	730	734	761	rVB	1714893	1909157	72.29%	8.112%
5	6.757	791	794	803	rVB	864257	677475	25.65%	2.879%
6	7.322	886	890	902	rBV	1369600	1324292	50.14%	5.627%
7	8.039	1008	1012	1021	rBV	943184	978816	37.06%	4.159%
8	8.757	1131	1134	1141	rVB	56913	51774	1.96%	0.220%
9	8.857	1147	1151	1159	rVB	34915	34925	1.32%	0.148%
10	9.116	1191	1195	1206	rBV	2667933	2384404	90.28%	10.131%
11	9.216	1210	1212	1220	rVB3	18878	28035	1.06%	0.119%
12	9.457	1249	1253	1255	rBV	33744	34477	1.31%	0.146%
13	9.516	1260	1263	1270	rVB	201152	196542	7.44%	0.835%
14	9.657	1284	1287	1291	rVB	40064	31560	1.19%	0.134%
15	9.798	1304	1311	1314	rBV	1184230	1083536	41.03%	4.604%
16	9.827	1314	1316	1320	rVB2	63075	53023	2.01%	0.225%
17	9.998	1341	1345	1350	rBV	54548	60196	2.28%	0.256%
18	10.345	1400	1404	1410	rVB3	44730	53482	2.03%	0.227%
19	10.498	1425	1430	1433	rBV	36085	32710	1.24%	0.139%
20	10.586	1441	1445	1455	rBV	1591639	1457606	55.19%	6.193%
21	10.710	1462	1466	1473	rVB3	25947	38868	1.47%	0.165%
22	10.892	1492	1497	1500	rBV3	22179	28313	1.07%	0.120%
23	11.016	1514	1518	1520	rBV3	25074	27674	1.05%	0.118%
24	11.092	1527	1531	1534	rBV	40991	38021	1.44%	0.162%
25	11.174	1543	1545	1552	rVB	32704	33994	1.29%	0.144%
26	11.280	1559	1563	1565	rBV	1258770	1107309	41.93%	4.705%
27	11.304	1565	1567	1571	rVV	480361	377347	14.29%	1.603%
28	11.357	1573	1576	1579	rVB	103529	90509	3.43%	0.385%
29	11.516	1599	1603	1610	rBV3	34643	62726	2.38%	0.267%
30	11.780	1644	1648	1651	rBV	78360	80682	3.05%	0.343%
31	11.810	1651	1653	1657	rVV	131229	120419	4.56%	0.512%
32	11.857	1657	1661	1664	rVV	40282	41923	1.59%	0.178%
33	11.892	1664	1667	1670	rVV	89939	104148	3.94%	0.443%
34	11.916	1670	1671	1675	rVB	59217	35528	1.35%	0.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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	11.986	1679	1683	1687	rVB4	42331	57928	2.19%	0.246%
36	12.074	1696	1698	1702	rVB2	46668	46484	1.76%	0.198%
37	12.198	1715	1719	1721	rBV2	29110	37539	1.42%	0.160%
38	12.221	1721	1723	1725	rVV2	42687	40469	1.53%	0.172%
39	12.251	1725	1728	1731	rVB2	71464	67039	2.54%	0.285%
40	12.327	1736	1741	1746	rBV2	52776	103754	3.93%	0.441%
41	12.421	1754	1757	1763	rVB3	46982	68140	2.58%	0.290%
42	12.492	1766	1769	1772	rBV	375462	332195	12.58%	1.411%
43	12.557	1778	1780	1783	rBV2	47889	42016	1.59%	0.179%
44	12.586	1783	1785	1788	rVB	31731	30548	1.16%	0.130%
45	12.663	1796	1798	1801	rVB4	35180	27573	1.04%	0.117%
46	12.721	1803	1808	1815	rVB2	333836	387652	14.68%	1.647%
47	12.774	1815	1817	1822	rVB2	33023	38323	1.45%	0.163%
48	12.868	1825	1833	1836	rBV	2770234	2641066	100.00%	11.222%
49	12.939	1842	1845	1849	rBV3	32769	50926	1.93%	0.216%
50	13.051	1857	1864	1869	rVB4	56175	131618	4.98%	0.559%
51	13.092	1869	1871	1874	rBV2	33340	41679	1.58%	0.177%
52	13.157	1878	1882	1886	rVB2	53931	76420	2.89%	0.325%
53	13.210	1888	1891	1895	rVV4	32472	41755	1.58%	0.177%
54	13.280	1900	1903	1906	rBV	67644	68921	2.61%	0.293%
55	13.351	1909	1915	1920	rBV2	437238	491950	18.63%	2.090%
56	13.562	1949	1951	1955	rVB	54080	56142	2.13%	0.239%
57	13.698	1972	1974	1977	rBV2	41259	36329	1.38%	0.154%
58	13.780	1984	1988	1997	rBV2	365236	524303	19.85%	2.228%
59	13.921	2005	2012	2015	rBV2	1006433	1091348	41.32%	4.637%
60	13.945	2015	2016	2020	rVB	140161	102266	3.87%	0.435%
61	14.080	2035	2039	2043	rBV3	65935	91143	3.45%	0.387%
62	14.309	2076	2078	2080	rVB	42729	32617	1.23%	0.139%
63	14.386	2088	2091	2094	rBV2	71446	64358	2.44%	0.273%
64	14.421	2095	2097	2101	rVB4	36673	48515	1.84%	0.206%
65	14.551	2116	2119	2122	rBV3	46945	54304	2.06%	0.231%
66	14.686	2139	2142	2145	rVB2	104640	100025	3.79%	0.425%
67	14.951	2183	2187	2190	rBV	115855	173885	6.58%	0.739%
68	15.009	2194	2197	2202	rVB2	104482	117450	4.45%	0.499%
69	15.245	2233	2237	2242	rVB	81993	111562	4.22%	0.474%
70	15.304	2243	2247	2252	rVV	119093	139806	5.29%	0.594%
71	15.362	2252	2257	2270	rVV	702702	1000985	37.90%	4.253%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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	15.786	2325	2329	2333	rBV	72574	102304	3.87%	0.435%
73	15.880	2341	2345	2354	rVB5	50258	134857	5.11%	0.573%
74	16.780	2493	2498	2503	rBV	67653	125632	4.76%	0.534%
75	17.203	2567	2570	2578	rVB	45361	91272	3.46%	0.388%

Sum of corrected areas: 23535417

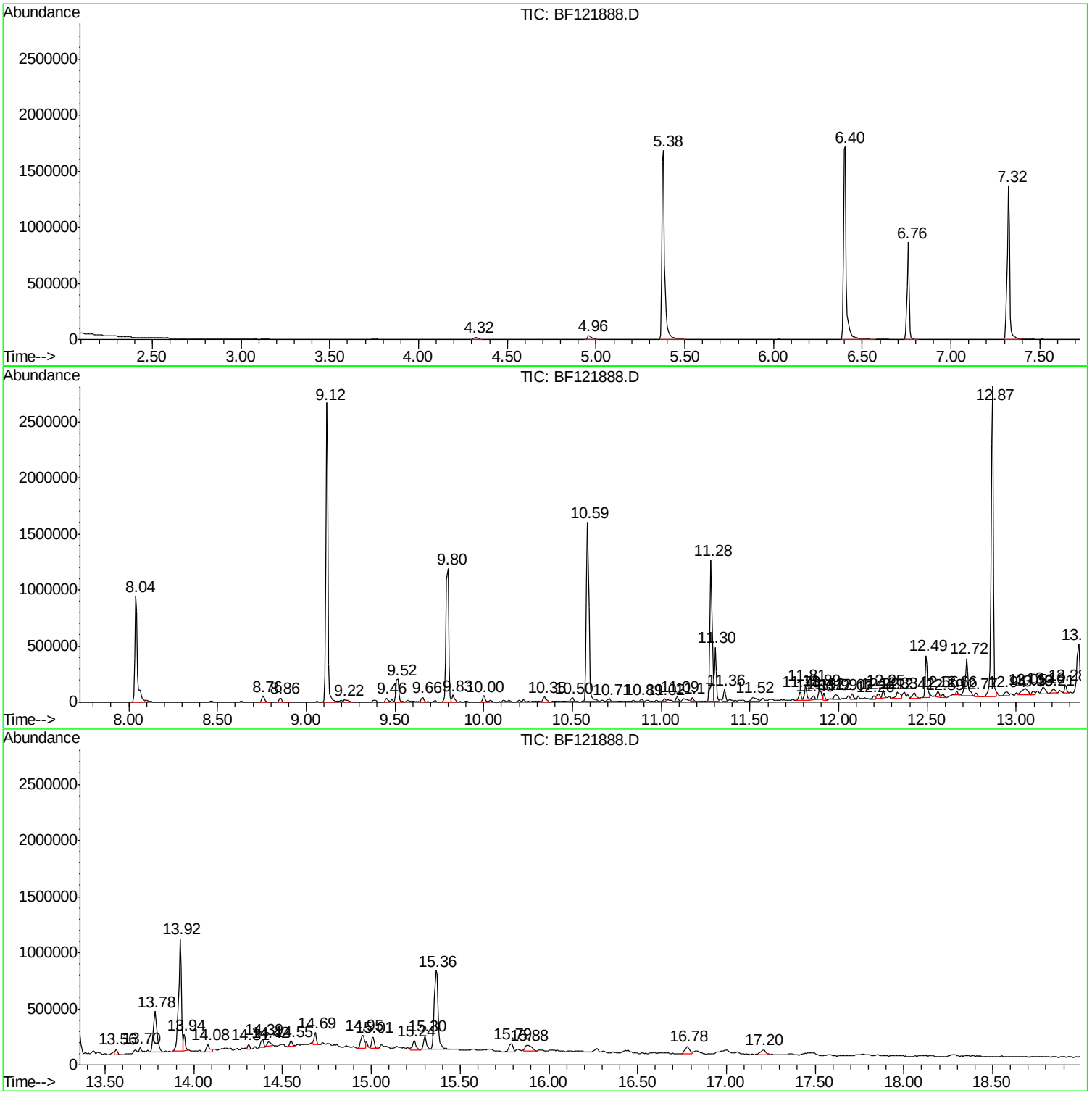
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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

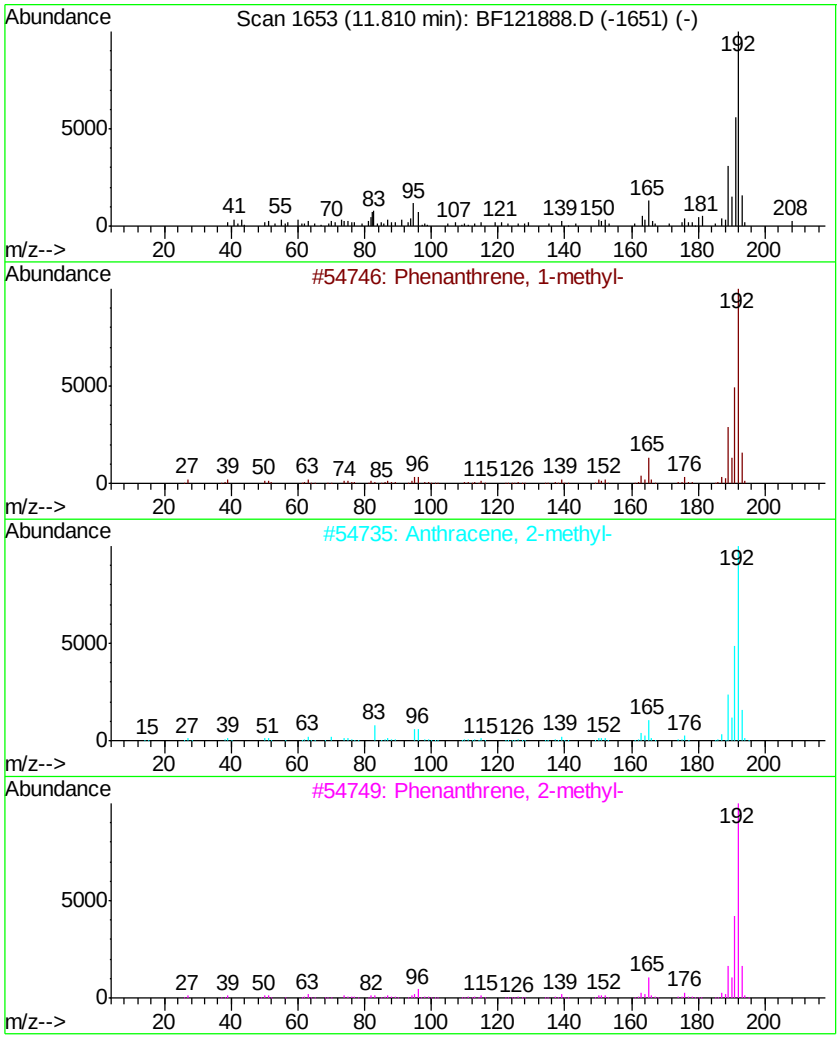
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

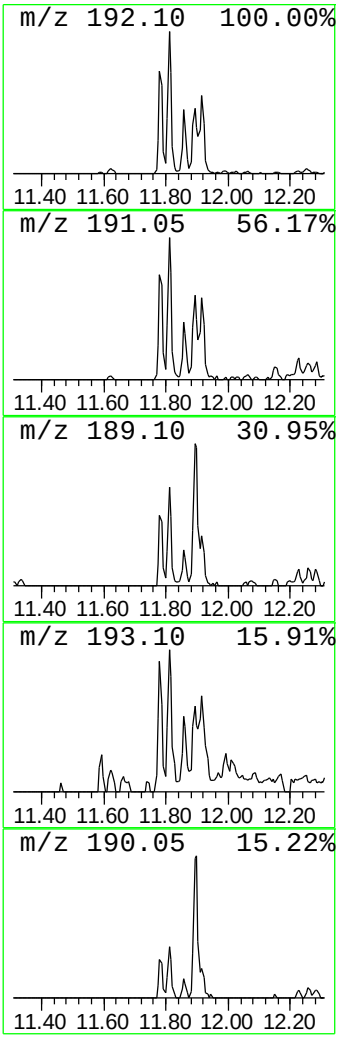
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.17 ng	120419	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

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

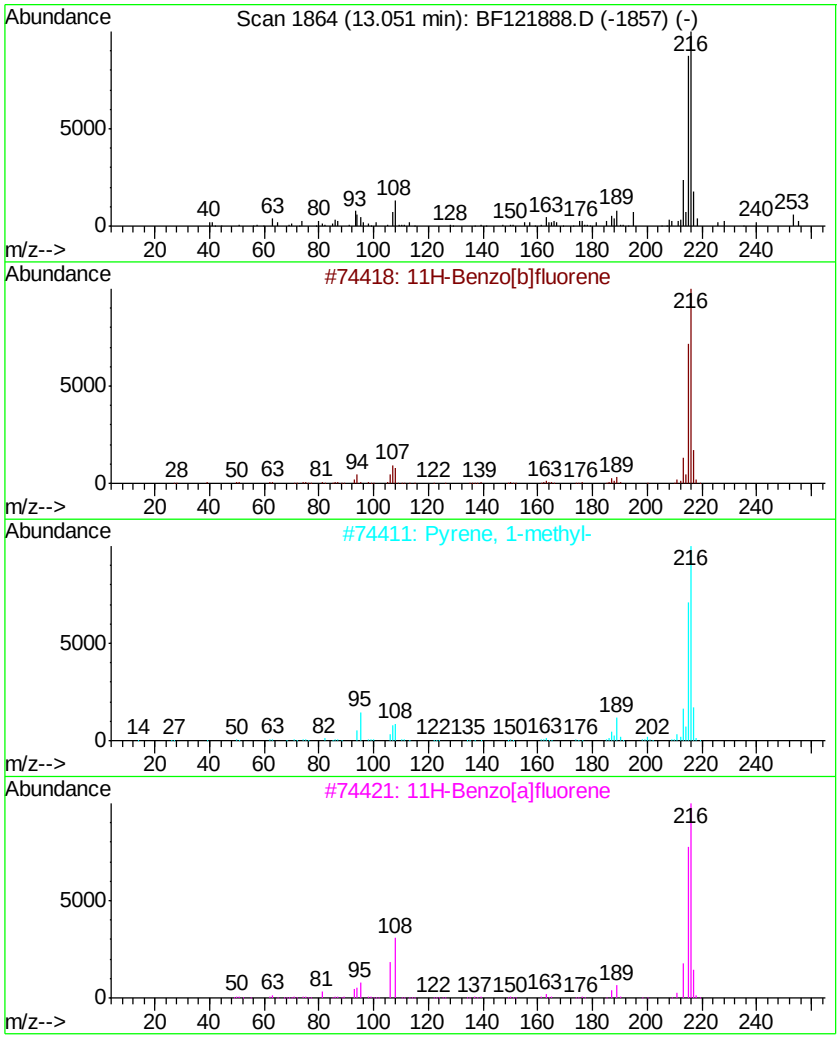
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

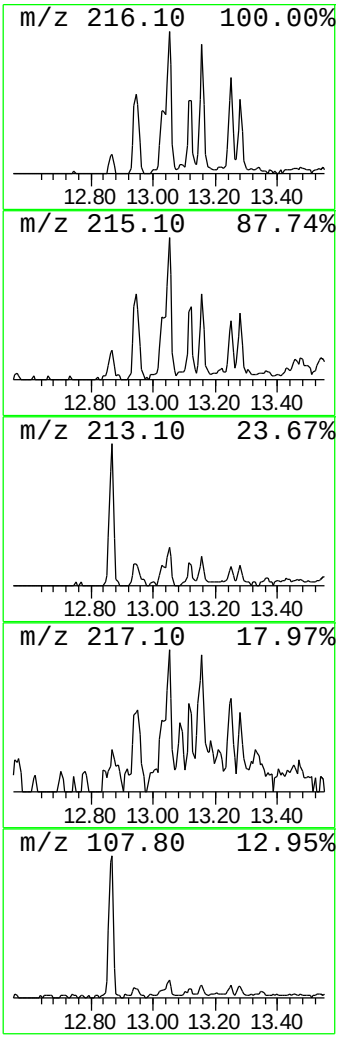
****

Peak Number 2 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.41 ng	131618	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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

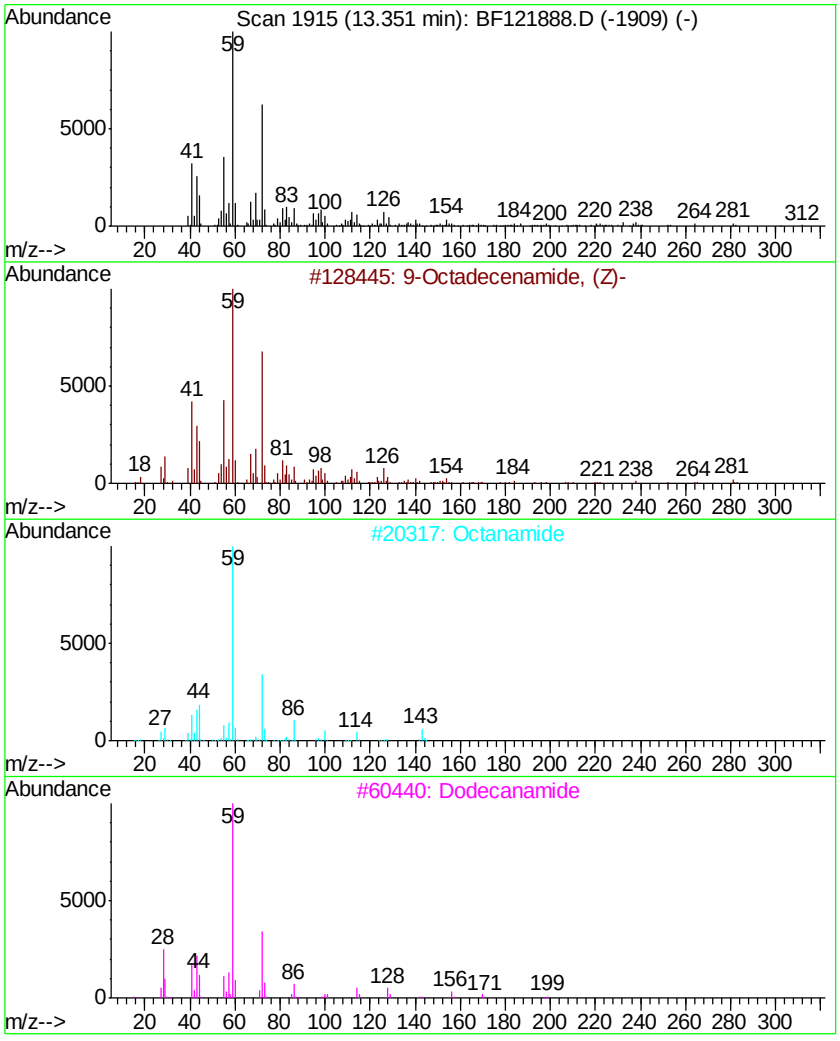
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

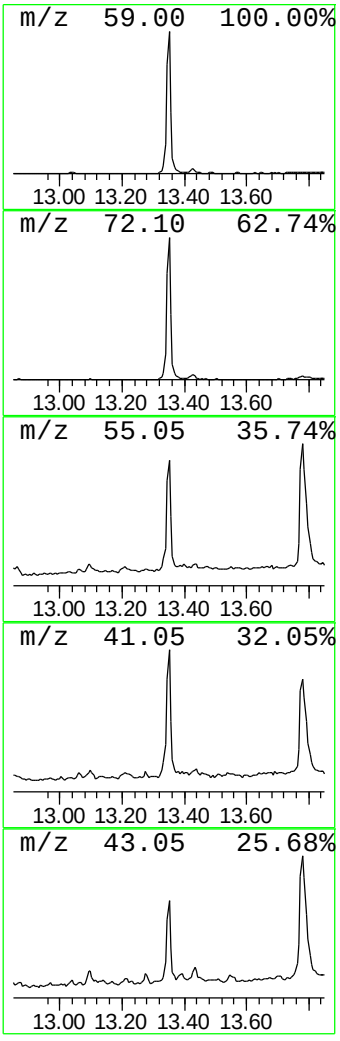
****

Peak Number 3 9-Octadecenamide, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	9.02 ng	491950	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2	Octanamide	143	C8H17NO	000629-01-6	64
3	Dodecanamide	199	C12H25NO	001120-16-7	64
4	Octadecanamide	283	C18H37NO	000124-26-5	59
5	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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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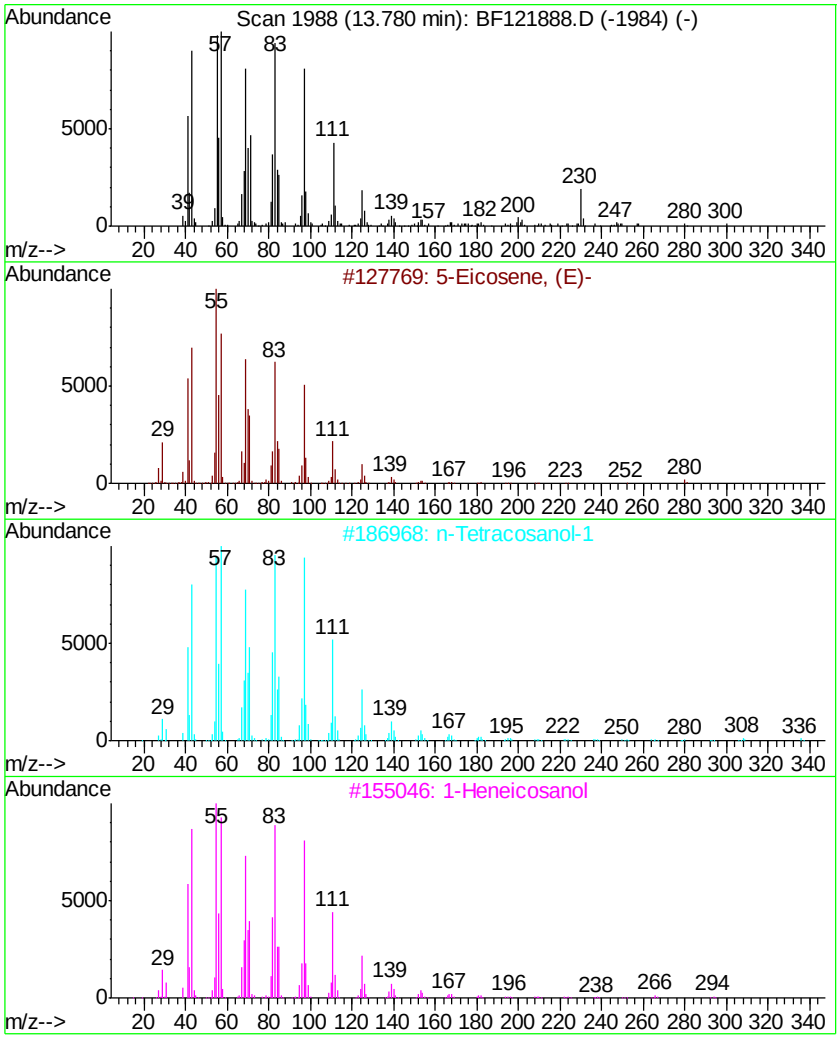
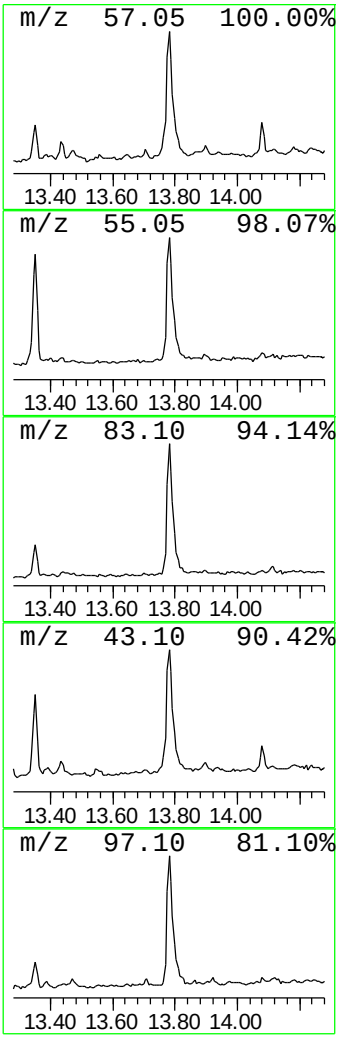
Peak Number 4 5-Eicosene, (E)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	9.61 ng	524303	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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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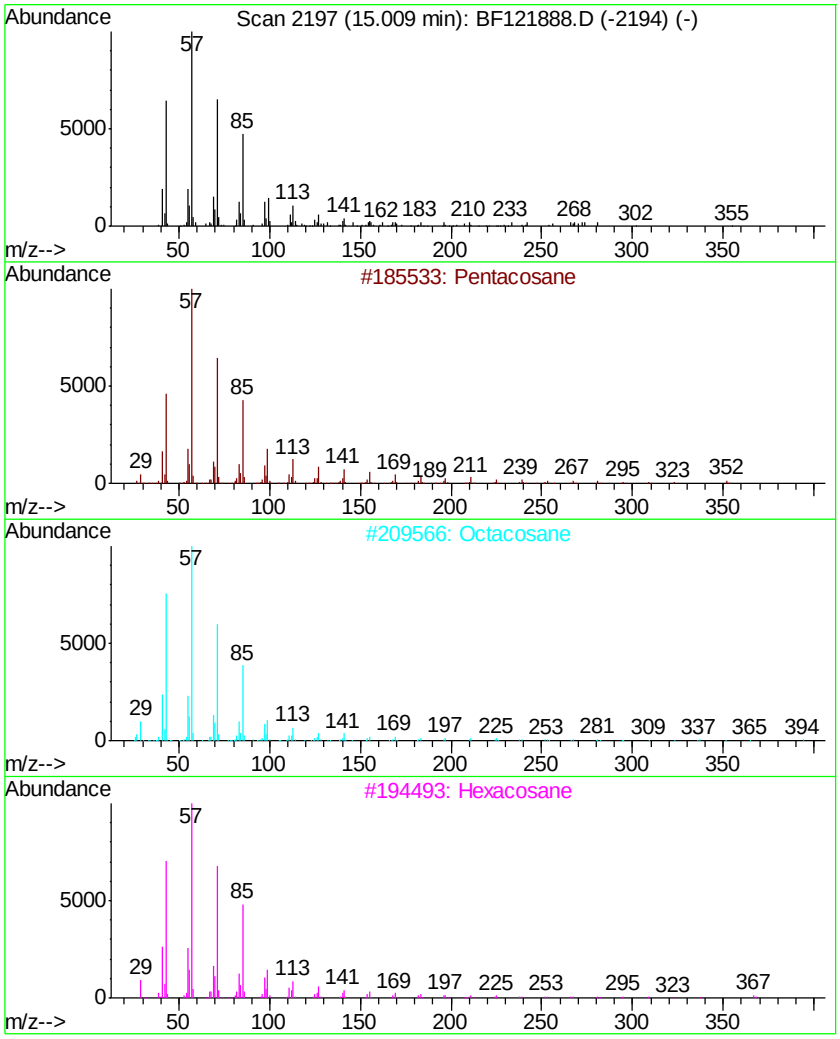
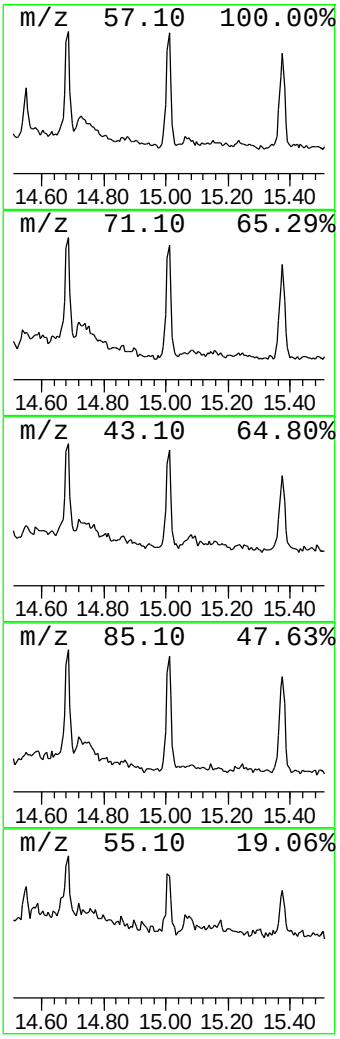
Peak Number 5 Pentacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.35 ng	117450	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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

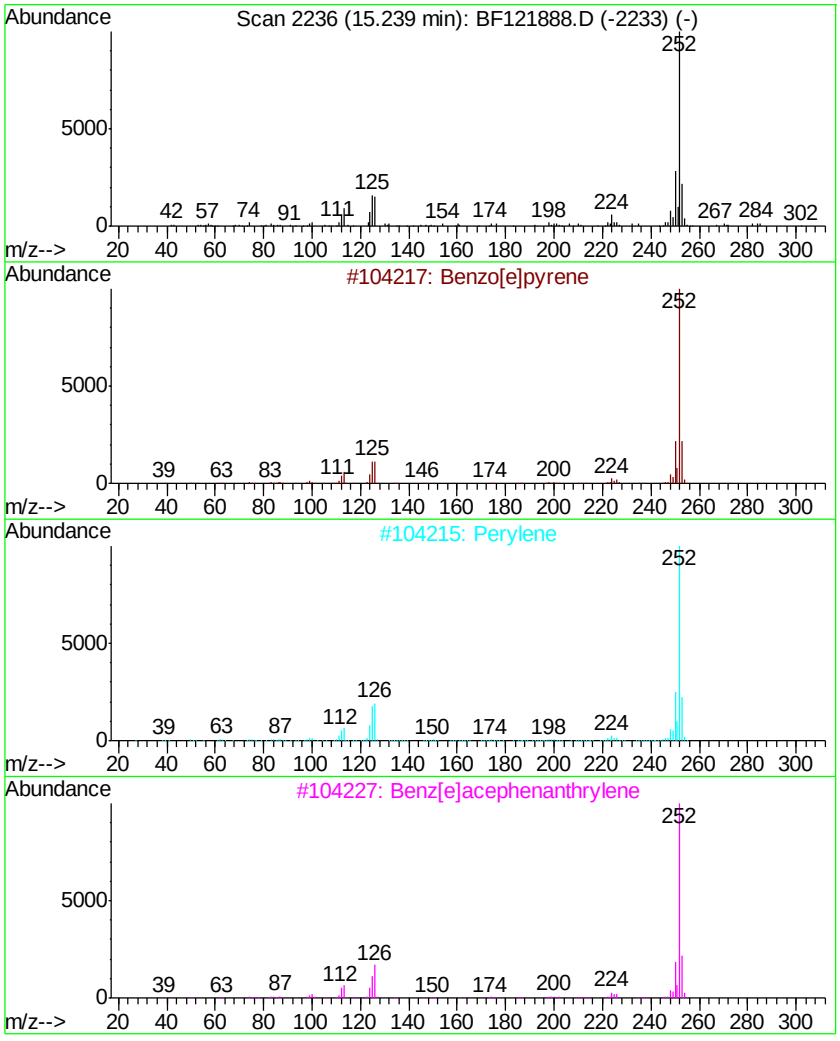
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

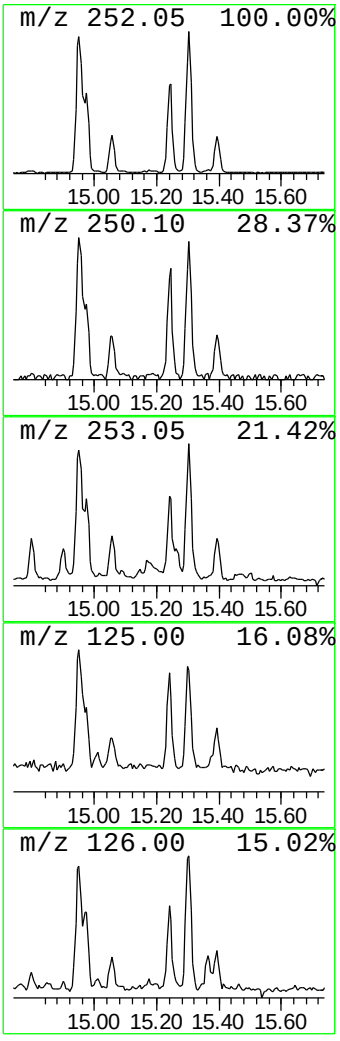
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.23 ng	111562	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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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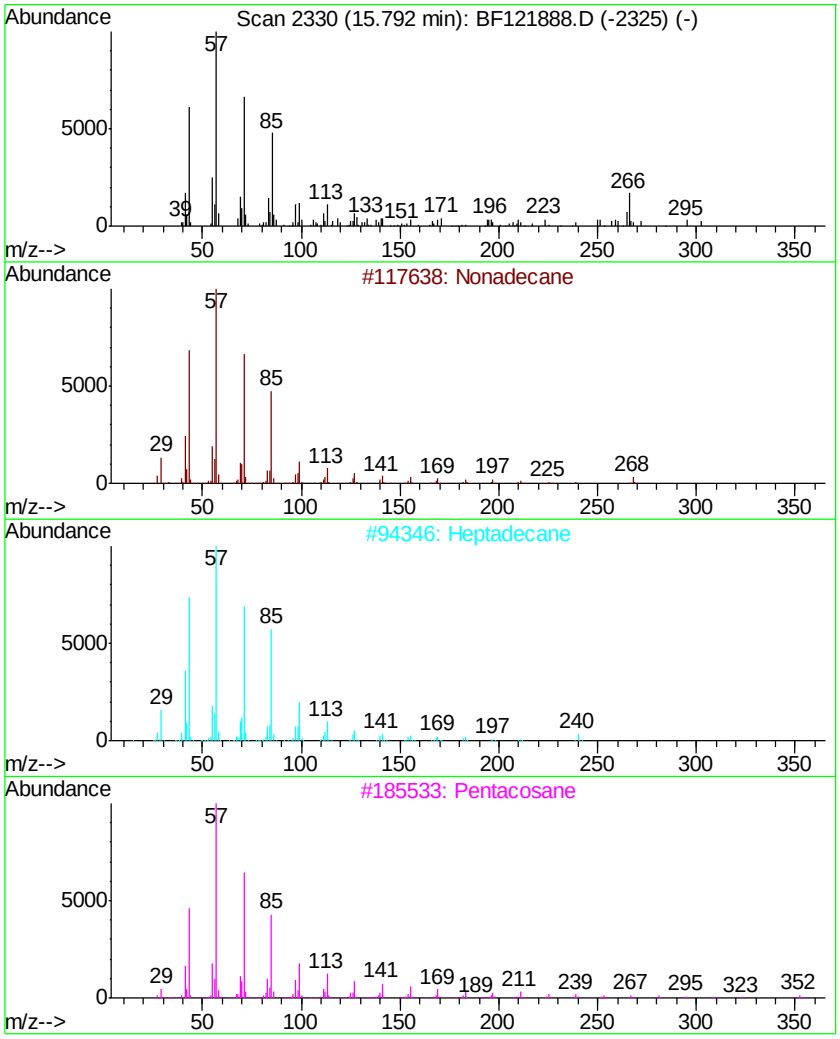
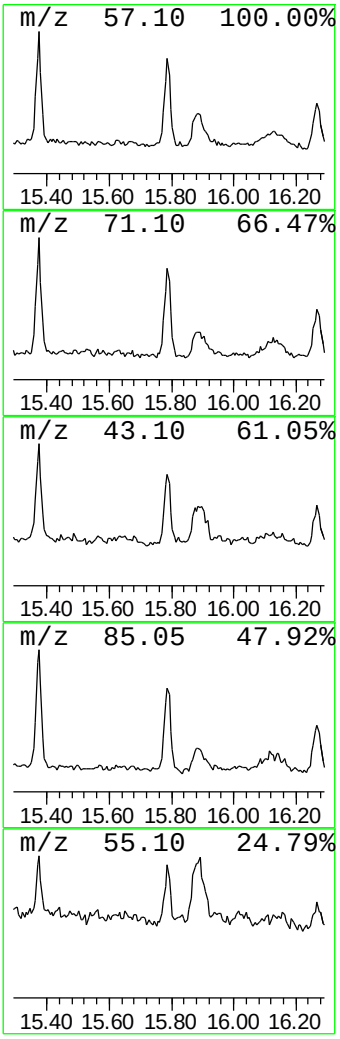
Peak Number 7 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.04 ng	102304	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Heptadecane	240	C17H36	000629-78-7	90
3	Pentacosane	352	C25H52	000629-99-2	83
4	Triacontane	422	C30H62	000638-68-6	80
5	Hentriacontane	437	C31H64	000630-04-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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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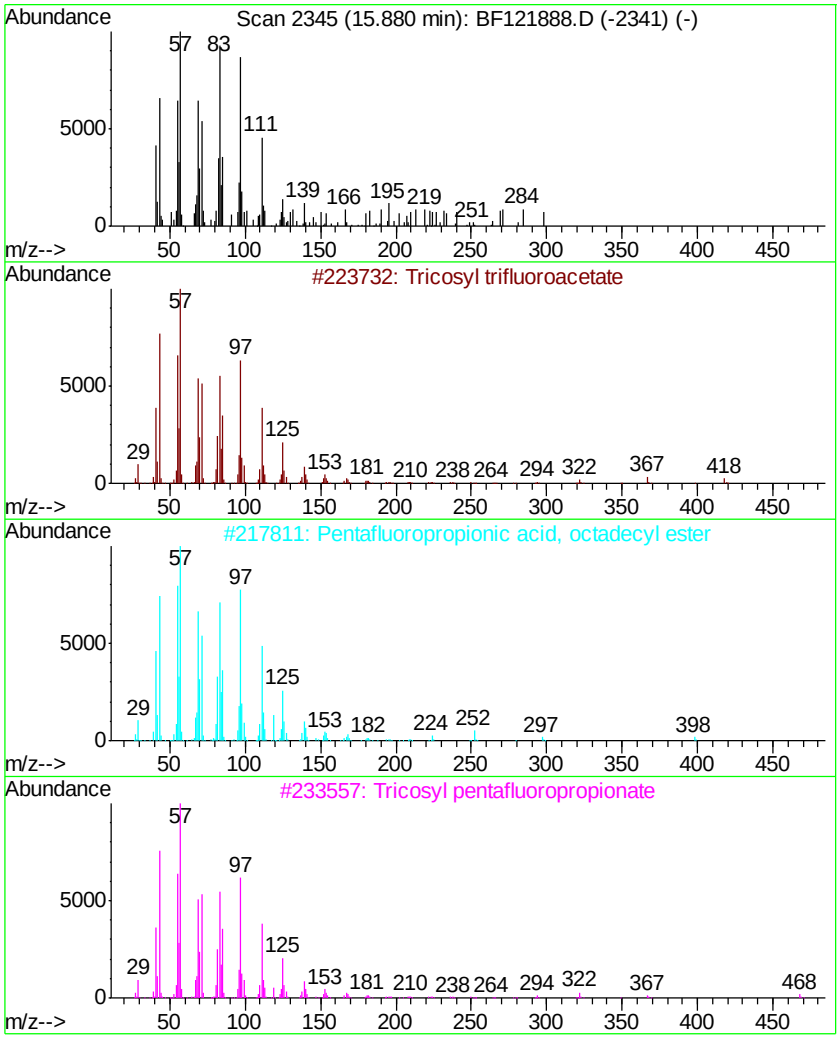
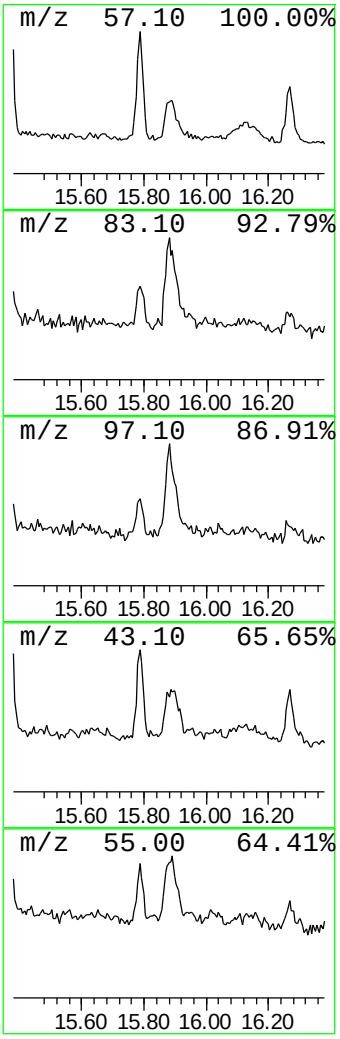
Peak Number 8 Tricosyl trifluoroacetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.69 ng	134857	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	81
2	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	74
3	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	74
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	72
5	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100820\
Data File : BF121888.D
Acq On : 8 Oct 2020 14:40
Operator : JU/CG
Sample : L4291-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B4-100620-10-20

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
Phenanthrene, 1-m...	11.81	2.2	ng	120419	4	11.28	1107310	20.0
11H-Benzo[b]fluorene	13.05	2.4	ng	131618	5	13.92	1091350	20.0
9-Octadecenamide,...	13.35	9.0	ng	491950	5	13.92	1091350	20.0
5-Eicosene, (E)-	13.78	9.6	ng	524303	5	13.92	1091350	20.0
Pentacosane	15.01	2.4	ng	117450	6	15.36	1000990	20.0
Benzo[e]pyrene	15.24	2.2	ng	111562	6	15.36	1000990	20.0
Nonadecane	15.79	2.0	ng	102304	6	15.36	1000990	20.0
Tricosyl trifluor...	15.88	2.7	ng	134857	6	15.36	1000990	20.0