LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

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-BF071620.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	3.804	288	292	298	rVB	14516	20283	1.14%	0.101%
2	5.416	563	566	576	rVB	534383	510121	28.71%	2.544%
3	5.634	599	603	613	rVB2	35137	39172	2.20%	0.195%
4	6.439	737	740	751	rBV	538432	530851	29.88%	2.648%
5	6.639	770	774	778	rBV3	26963	34935	1.97%	0.174%
6	6.804	799	802	806	rBV	1127364	949359	53.43%	4.735%
7	7.069	844	847	853	rBV	22726	30820	1.73%	0.154%
8	7.363	894	897	902	rBV	353038	288099	16.21%	1.437%
9	7.839	974	978	982	rBV4	13505	22579	1.27%	0.113%
10	8.092	1015	1021	1023	rBV	1427355	1229569	69.20%	6.132%
11	8.110	1023	1024	1027	rVB	120541	74850	4.21%	0.373%
12	8.681	1119	1121	1124	rBV2	31976	26288	1.48%	0.131%
13	8.804	1139	1142	1145	rVB2	73555	63378	3.57%	0.316%
14	8.904	1155	1159	1163	rBV2	53689	53467	3.01%	0.267%
15	9.110	1191	1194	1199	rVB3	28587	24028	1.35%	0.120%
16	9.163	1200	1203	1208	rVB	872431	649739	36.57%	3.240%
17	9.245	1214	1217	1219	rBV2	54481	52940	2.98%	0.264%
18	9.363	1234	1237	1243	rVB2	21871	30706	1.73%	0.153%
19	9.433	1243	1249	1252	rBV	54022	86204	4.85%	0.430%
20	9.504	1258	1261	1263	rBV	79973	70494	3.97%	0.352%
21	9.528	1263	1265	1267	rVV	52921	40478	2.28%	0.202%
22	9.557	1267	1270	1274	rVV2	143358	163854	9.22%	0.817%
23	9.622	1278	1281	1285	rVB	47085	50199	2.83%	0.250%
24	9.704	1292	1295	1299	rBV	147939	121462	6.84%	0.606%
25	9.757	1301	1304	1305	rVV3	27047	25621	1.44%	0.128%
26	9.775	1305	1307	1312	rVV	56470	47301	2.66%	0.236%
27	9.845	1312	1319	1322	rVV	1555460	1351911	76.09%	6.742%
28	9.875	1322	1324	1328	rVV	122245	104528	5.88%	0.521%
29	9.910	1328	1330	1333	rVB4	24207	22411	1.26%	0.112%
30	9.951	1333	1337	1341	rBV2	38705	50271	2.83%	0.251%
31	9.998	1341	1345	1347	rBV3	21128	30718	1.73%	0.153%
32	10.045	1349	1353	1357	rVV	81602	87542	4.93%	0.437%
33	10.086	1357	1360	1365	rVB2	45834	40841	2.30%	0.204%
34	10.157	1369	1372	1375	rBV2	52310	62483	3.52%	0.312%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.186	1375	1377	1379	rVB	33117	24734	1.39%	0.123%
36	10.245	1384	1387	1389	rBV3	48508	52801	2.97%	0.263%
37	10.275	1389	1392	1394	rVB2	68421	60744	3.42%	0.303%
38	10.386	1409	1411	1418	rVB2	106177	125935	7.09%	0.628%
39	10.457	1418	1423	1424	rBV4	29728	37766	2.13%	0.188%
40	10.475	1424	1426	1428	rVV2	29170	35797	2.01%	0.179%
41	10.498	1428	1430	1434	rVV2	58359	64445	3.63%	0.321%
42	10.545	1435	1438	1442	rVB2	46557	50042	2.82%	0.250%
43	10.627	1447	1452	1456	rVV	390754	379796	21.38%	1.894%
44	10.663	1456	1458	1464	rVB6	22959	35196	1.98%	0.176%
45	10.757	1470	1474	1481	rVB3	129950	186712	10.51%	0.931%
46	10.833	1481	1487	1489	rBV4	29499	56300	3.17%	0.281%
47	10.939	1501	1505	1507	rBV2	61191	70306	3.96%	0.351%
48	10.969	1507	1510	1513	rVV2	38456	40889	2.30%	0.204%
49	11.022	1517	1519	1522	rVB2	31485	26494	1.49%	0.132%
50	11.069	1525	1527	1529	rBV3	18631	20854	1.17%	0.104%
51	11.133	1536	1538	1541	rVB2	39312	35374	1.99%	0.176%
52	11.192	1543	1548	1551	rVV2	80695	103483	5.82%	0.516%
53	11.222	1551	1553	1561	rVB	110777	116020	6.53%	0.579%
54	11.327	1568	1571	1573	rBV	1396027	1223020	68.83%	6.100%
55	11.351	1573	1575	1579	rVV	693194	543123	30.57%	2.709%
56	11.404	1581	1584	1587	rVB	249060	198369	11.16%	0.989%
57	11.439	1587	1590	1593	rBV3	46624	57619	3.24%	0.287%
58	11.563	1608	1611	1615	rBV2	55200	69469	3.91%	0.346%
59	11.622	1618	1621	1624	rVV	98780	74234	4.18%	0.370%
60	11.657	1625	1627	1633	rVB2	52640	69707	3.92%	0.348%
61	11.827	1653	1656	1659	rBV	132208	139893	7.87%	0.698%
62	11.857	1659	1661	1664	rVV	197792	162570	9.15%	0.811%
63	11.904	1667	1669	1672	rVV	80993	70160	3.95%	0.350%
64	11.939	1672	1675	1678	rVV2	257529	286082	16.10%	1.427%
65	11.963	1678	1679	1684	rVB	129097	91118	5.13%	0.454%
66	12.027	1688	1690	1694	rVV2	64663	56513	3.18%	0.282%
67	12.063	1694	1696	1698	rVB2	31851	24432	1.38%	0.122%
68	12.127	1704	1707	1709	rBV	94033	90172	5.08%	0.450%
69	12.274	1730	1732	1734	rVB	54586	37848	2.13%	0.189%
70	12.304	1734	1737	1740	rBV	98805	103512	5.83%	0.516%
71	12.380	1747	1750	1752	rBV	129374	127594	7.18%	0.636%

LSC Area Percent Report

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Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.416	1752	1756	1762	rVB5	144332	272581	15.34%	1.359%
73	12.463	1762	1764	1769	rBV2	82138	101488	5.71%	0.506%
74	12.545	1774	1778	1781	rBV	1079946	972234	54.72%	4.849%
75	12.633	1791	1793	1796	rBV	73645	66816	3.76%	0.333%
76	12.769	1811	1816	1823	rBV	1080191	1250192	70.36%	6.235%
77	12.886	1834	1836	1837	rBV2	55605	45903	2.58%	0.229%
78	12.910	1837	1840	1848	rVB	738819	695343	39.14%	3.468%
79	12.986	1850	1853	1856	rBV2	78949	111609	6.28%	0.557%
80	13.074	1866	1868	1869	rBV2	62324	54375	3.06%	0.271%
81	13.098	1869	1872	1875	rVB	191637	185438	10.44%	0.925%
82	13.163	1881	1883	1886	rVB	126323	102085	5.75%	0.509%
83	13.204	1887	1890	1893	rVV2	125631	113111	6.37%	0.564%
84	13.298	1903	1906	1908	rBV	75970	67899	3.82%	0.339%
85	13.327	1908	1911	1914	rBV	94518	94927	5.34%	0.473%
86	13.815	1992	1994	2001	rVB3	137842	173153	9.75%	0.864%
87	13.968	2015	2020	2023	rBV2	1495526	1776768	100.00%	8.861%
88	13.992	2023	2024	2027	rVB	451750	292766	16.48%	1.460%
89	14.998	2193	2195	2199	rBV	268553	353402	19.89%	1.763%
90	15.357	2254	2256	2262	rVB	259286	286404	16.12%	1.428%
91	15.421	2263	2267	2277	rVB2	736133	1097730	61.78%	5.475%

Sum of corrected areas: 20050849

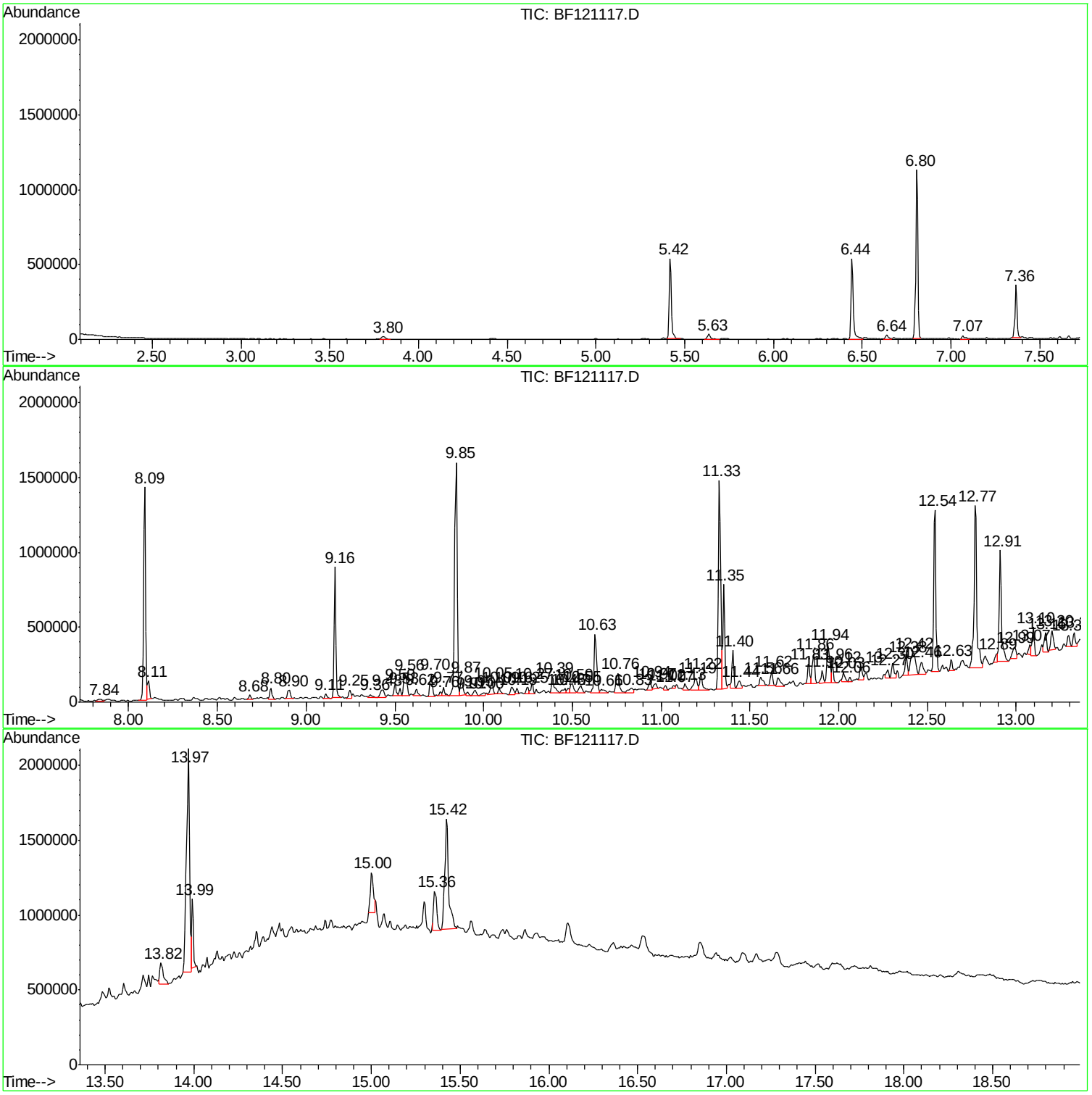
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

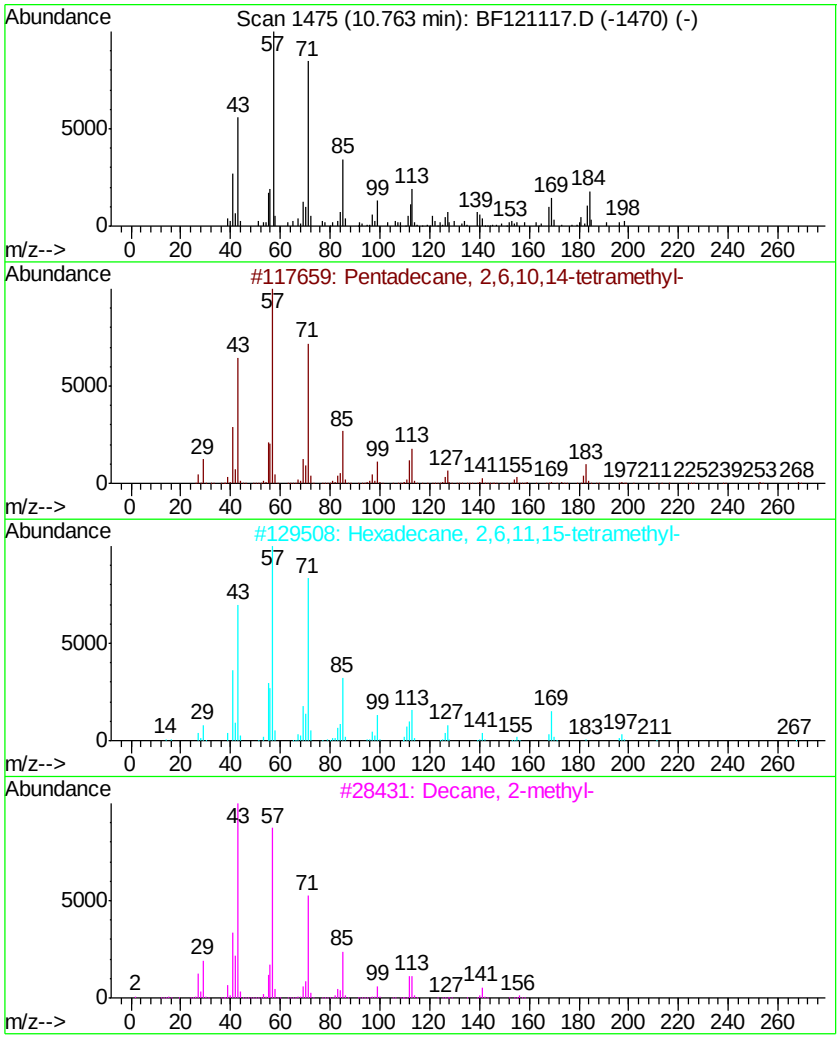
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

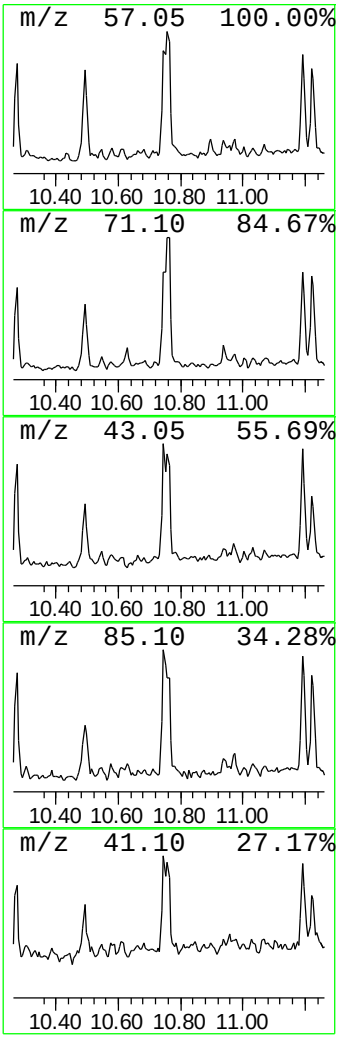
****

Peak Number 2 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.05 ng	186712	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	60
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	53
3	Decane, 2-methyl-	156	C11H24	006975-98-0	50
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	49
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

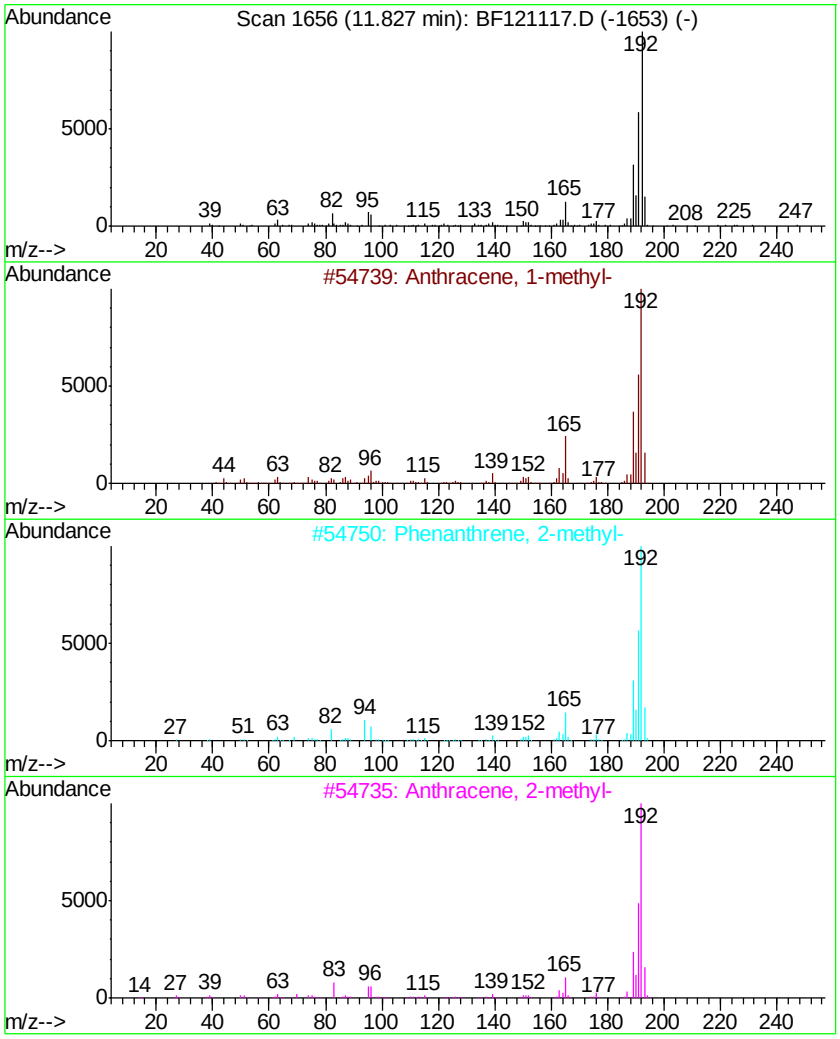
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

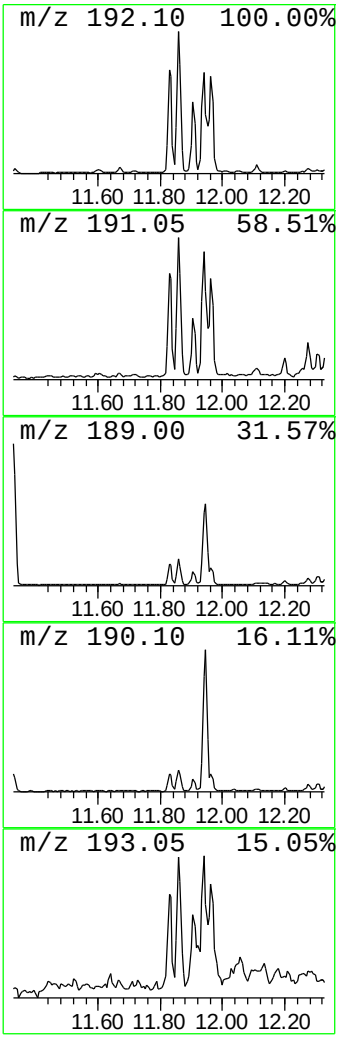
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.29 ng	139893	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

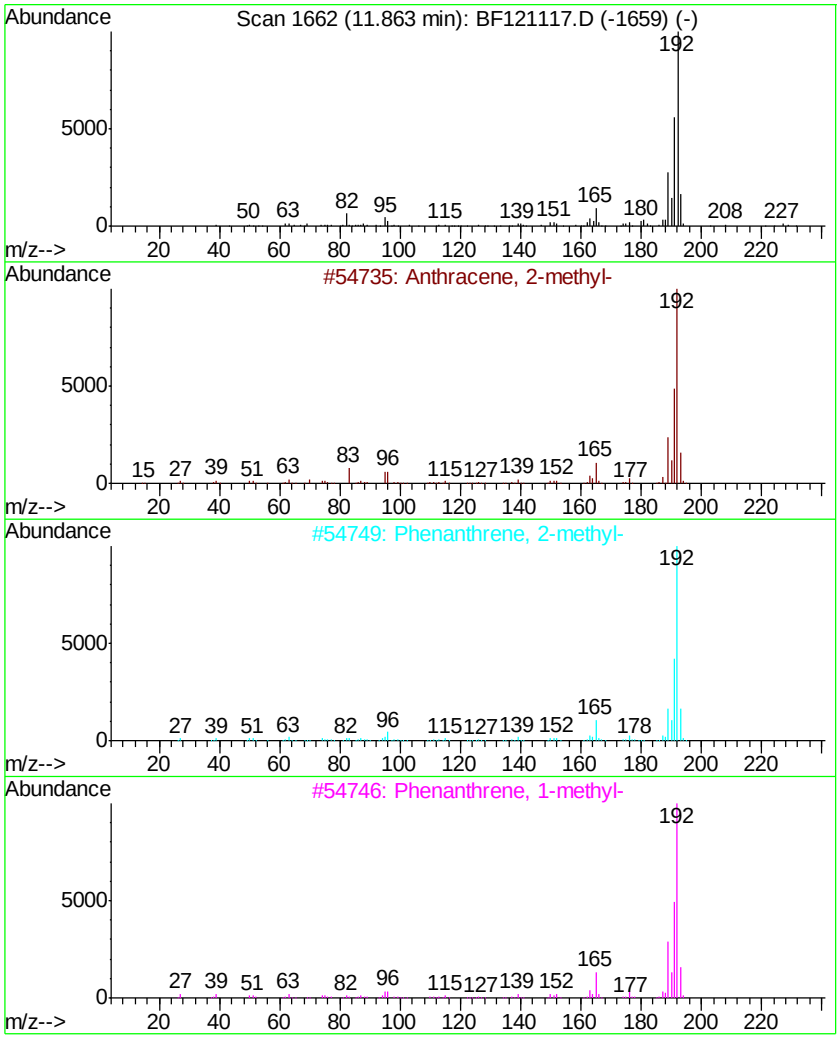
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

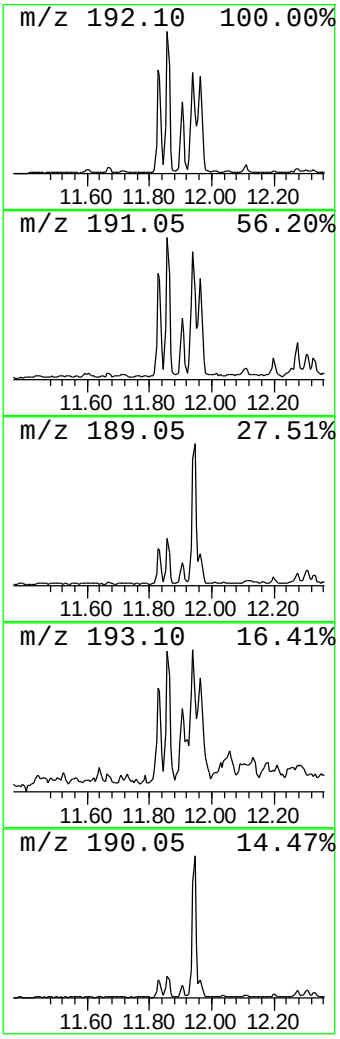
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.66 ng	162570	Phenanthrene-d10	11.33

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	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

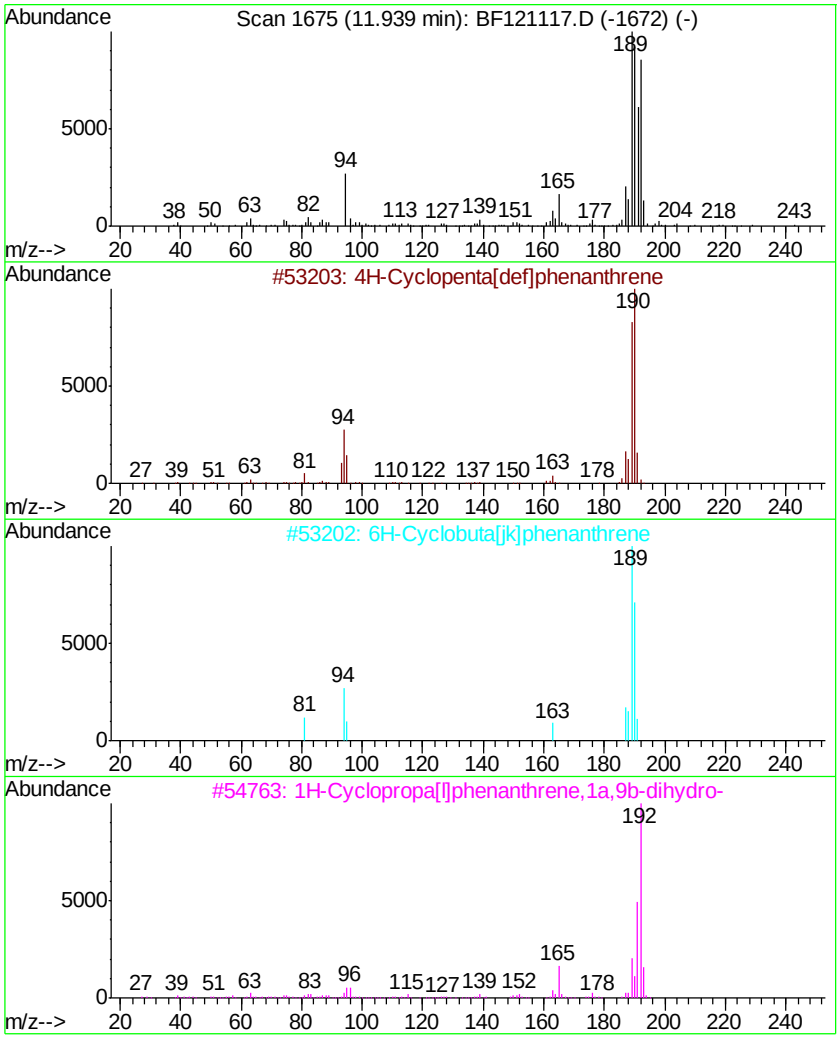
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

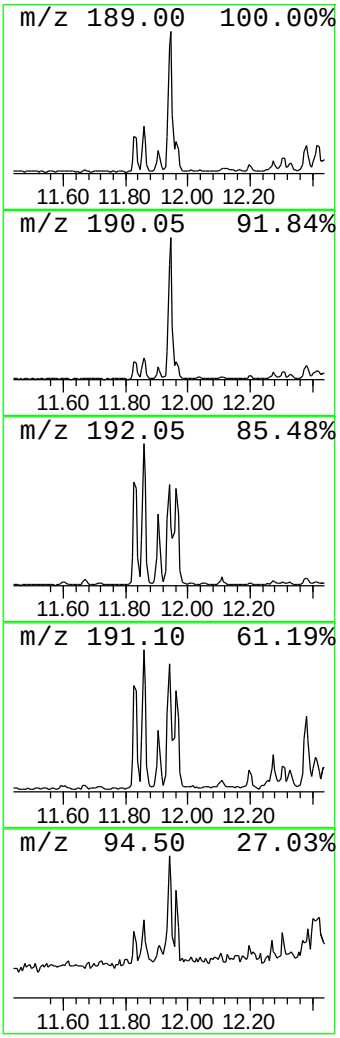
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.68 ng	286082	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

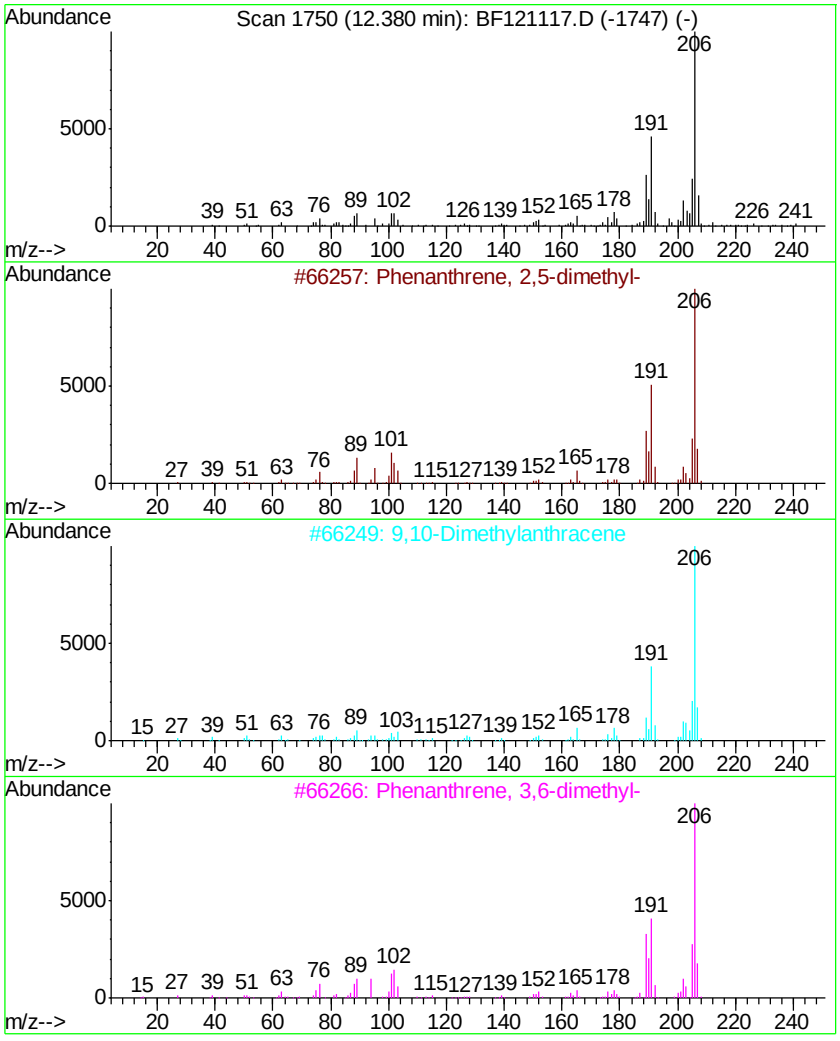
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

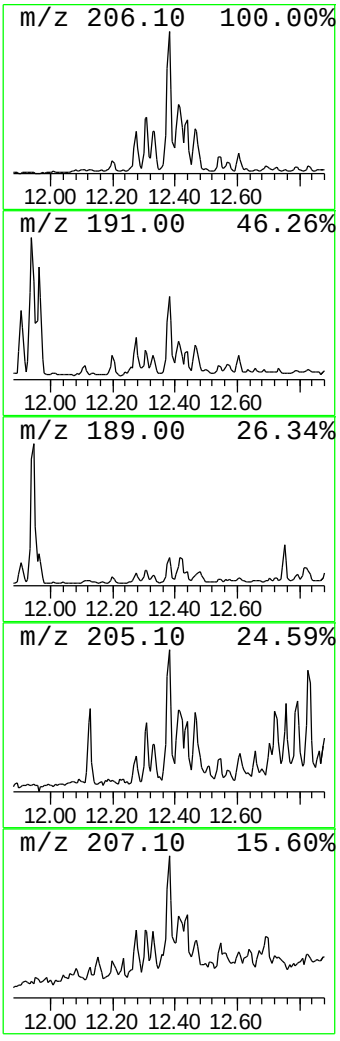
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.09 ng	127594	Phenanthrene-d10	11.33

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	92
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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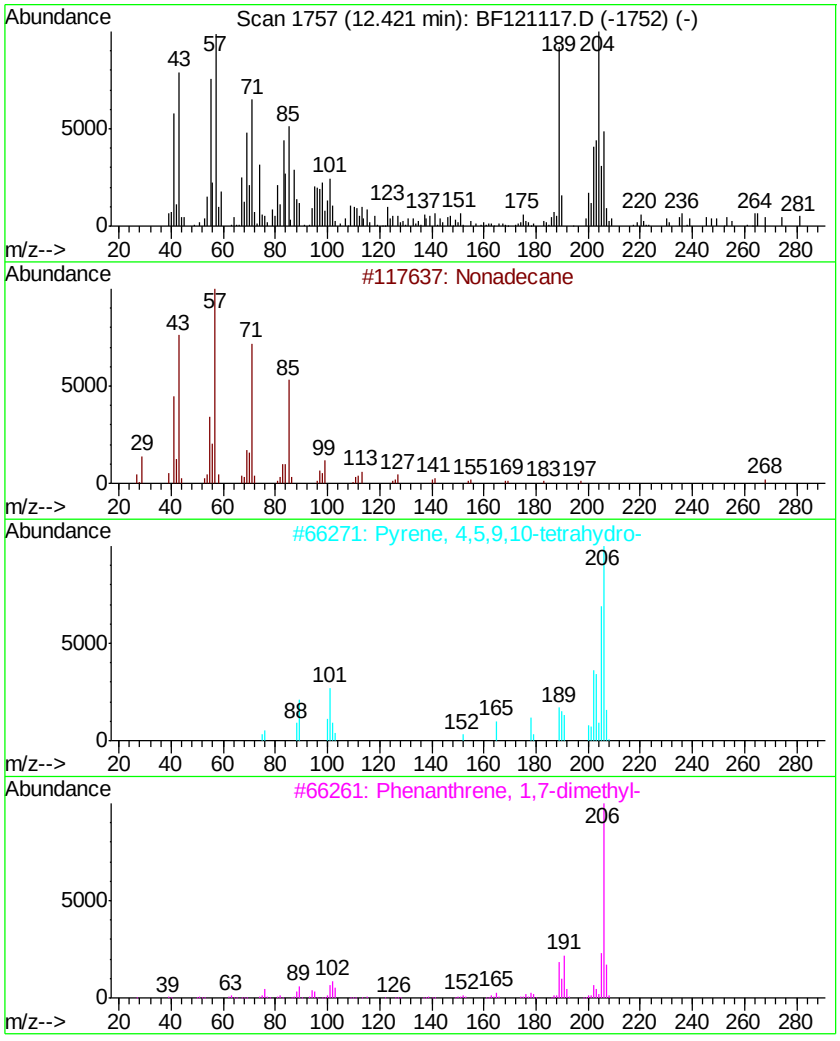
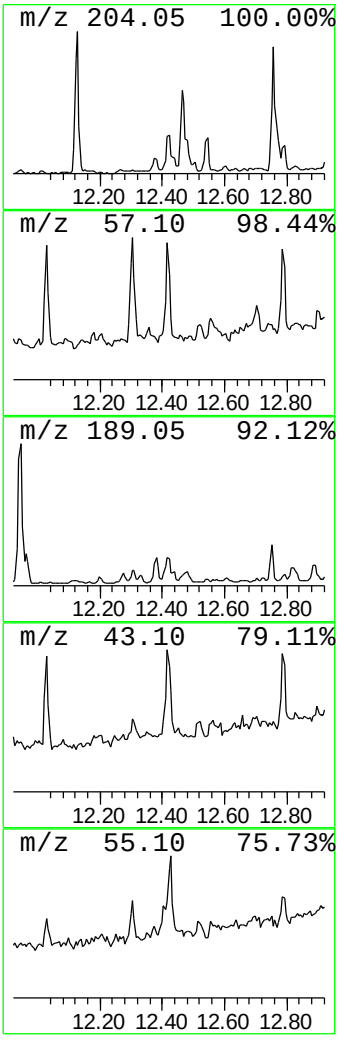
Peak Number 7 Nonadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.46 ng	272581	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	55
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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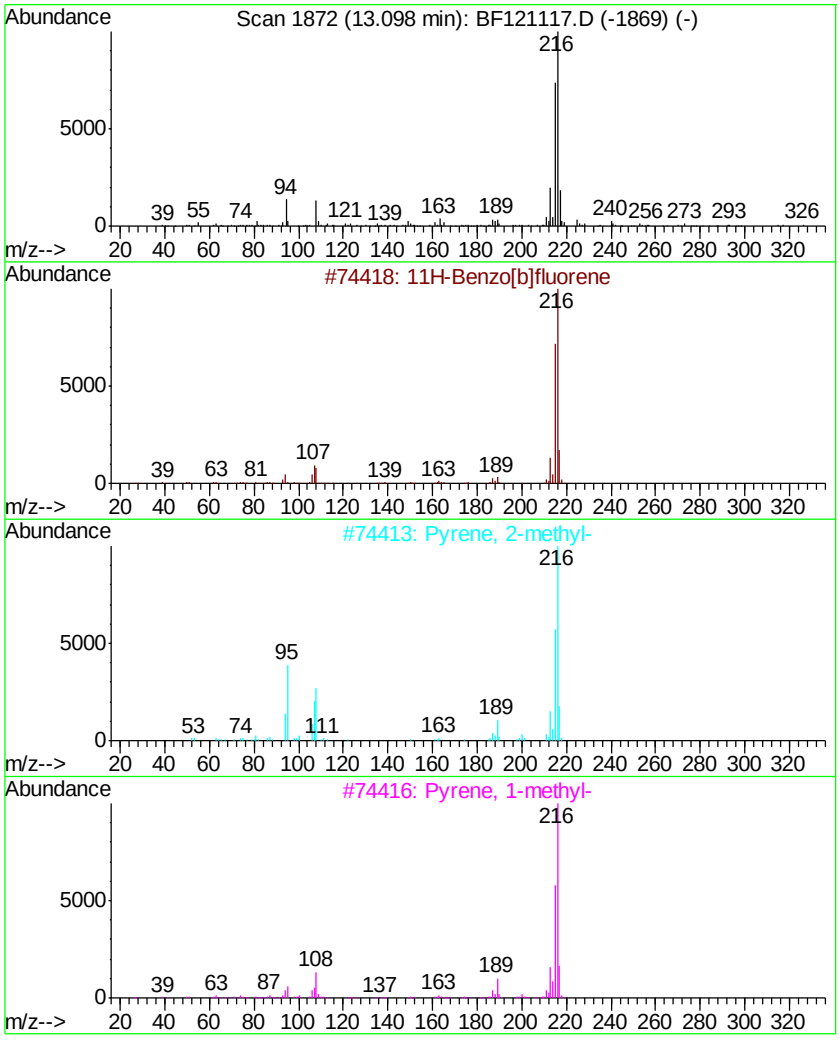
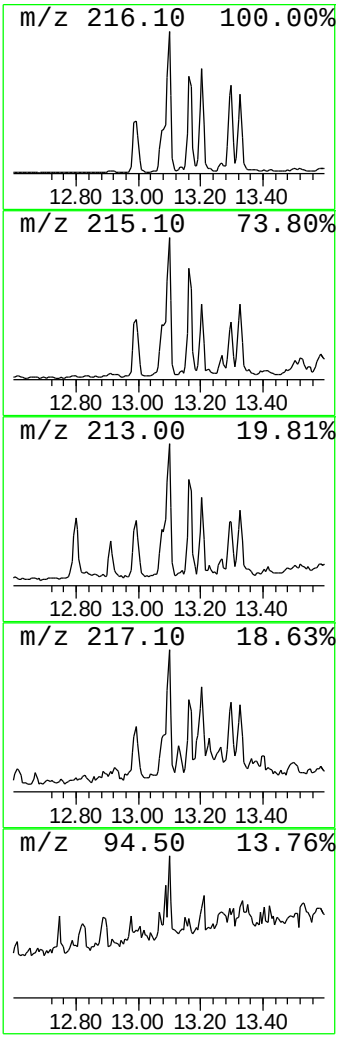
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.09 ng	185438	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121117.D
Acq On : 29 Jul 2020 23:03
Operator : JU/CG
Sample : L3436-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Pentadecane, 2,6,...	10.76	3.0	ng	186712	4	11.33	1223020	20.0
Anthracene, 1-met...	11.83	2.3	ng	139893	4	11.33	1223020	20.0
Anthracene, 2-met...	11.86	2.7	ng	162570	4	11.33	1223020	20.0
4H-Cyclopenta[def...	11.94	4.7	ng	286082	4	11.33	1223020	20.0
Phenanthrene, 2,5...	12.38	2.1	ng	127594	4	11.33	1223020	20.0
Nonadecane	12.42	4.5	ng	272581	4	11.33	1223020	20.0
11H-Benzo[b]fluorene	13.10	2.1	ng	185438	5	13.97	1776770	20.0