LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

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-BF092218.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	4.887	472	476	487	rVB	24708	31114	3.94%	0.267%
2	5.316	545	549	559	rBV	430427	523441	66.30%	4.500%
3	5.981	660	662	665	rVB	27886	22388	2.84%	0.192%
4	6.345	720	724	742	rBV	451346	619938	78.53%	5.329%
5	6.475	742	746	771	rVB	619063	675170	85.52%	5.804%
6	6.704	782	785	795	rBV	403544	419404	53.13%	3.605%
7	6.857	808	811	823	rBV	493844	498912	63.20%	4.289%
8	7.263	877	880	902	rBV	277373	362346	45.90%	3.115%
9	7.986	999	1003	1013	rBV	490858	513360	65.03%	4.413%
10	8.698	1121	1124	1133	rVB	20335	23821	3.02%	0.205%
11	8.792	1136	1140	1144	rBV	31514	29830	3.78%	0.256%
12	9.057	1182	1185	1196	rBV	664205	608121	77.03%	5.228%
13	9.151	1198	1201	1205	rVB3	8708	10688	1.35%	0.092%
14	9.327	1227	1231	1234	rBV2	18767	24836	3.15%	0.214%
15	9.398	1240	1243	1245	rBV	32891	33629	4.26%	0.289%
16	9.422	1245	1247	1249	rVV	23158	18464	2.34%	0.159%
17	9.451	1249	1252	1259	rVV	189744	175102	22.18%	1.505%
18	9.510	1259	1262	1268	rVB	16388	21763	2.76%	0.187%
19	9.592	1273	1276	1281	rBV	29062	27763	3.52%	0.239%
20	9.733	1294	1300	1303	rBV	574533	502762	63.68%	4.322%
21	9.763	1303	1305	1314	rVV	88747	97575	12.36%	0.839%
22	9.845	1315	1319	1322	rVB5	7857	11549	1.46%	0.099%
23	9.939	1331	1335	1339	rBV	50134	52470	6.65%	0.451%
24	9.974	1339	1341	1344	rVB	11261	10845	1.37%	0.093%
25	10.051	1350	1354	1357	rBV2	14381	14483	1.83%	0.125%
26	10.145	1366	1370	1372	rBV2	8932	10685	1.35%	0.092%
27	10.174	1373	1375	1380	rVB2	8339	9137	1.16%	0.079%
28	10.280	1390	1393	1399	rBV	82364	85252	10.80%	0.733%
29	10.345	1399	1404	1405	rBV3	10470	10055	1.27%	0.086%
30	10.392	1410	1412	1414	rVV3	12580	12828	1.62%	0.110%
31	10.439	1417	1420	1425	rVB	13398	16351	2.07%	0.141%
32	10.516	1430	1433	1446	rVB	378249	431399	54.65%	3.709%
33	10.645	1452	1455	1461	rBV3	18682	25772	3.26%	0.222%
34	10.827	1479	1486	1488	rBV2	21904	29745	3.77%	0.256%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.851	1488	1490	1493	rVV	18510	18095	2.29%	0.156%
36	10.910	1497	1500	1502	rVV	14521	12867	1.63%	0.111%
37	10.974	1506	1511	1515	rVV5	9996	19918	2.52%	0.171%
38	11.021	1517	1519	1523	rVV3	10511	10624	1.35%	0.091%
39	11.069	1523	1527	1529	rVV2	9913	11750	1.49%	0.101%
40	11.110	1529	1534	1539	rVB2	29557	46012	5.83%	0.396%
41	11.210	1548	1551	1554	rBV	558219	602574	76.33%	5.180%
42	11.233	1554	1555	1561	rVV	370798	289935	36.73%	2.492%
43	11.286	1561	1564	1568	rVV	103554	103616	13.13%	0.891%
44	11.327	1568	1571	1574	rVB3	14457	17206	2.18%	0.148%
45	11.451	1589	1592	1595	rBV	16264	23245	2.94%	0.200%
46	11.510	1600	1602	1605	rVV5	10388	13093	1.66%	0.113%
47	11.545	1605	1608	1613	rVB	14605	17867	2.26%	0.154%
48	11.627	1619	1622	1626	rVB	11357	13562	1.72%	0.117%
49	11.716	1633	1637	1639	rBV	61944	62113	7.87%	0.534%
50	11.745	1639	1642	1646	rVB2	99646	96788	12.26%	0.832%
51	11.792	1646	1650	1652	rBV	20056	19185	2.43%	0.165%
52	11.821	1652	1655	1658	rBV	117683	127806	16.19%	1.099%
53	11.921	1670	1672	1674	rBV3	9447	9145	1.16%	0.079%
54	12.010	1684	1687	1690	rBV	34433	39667	5.02%	0.341%
55	12.039	1690	1692	1695	rVB2	17190	13624	1.73%	0.117%
56	12.139	1706	1709	1710	rBV3	10194	11158	1.41%	0.096%
57	12.157	1710	1712	1715	rVV2	15521	15210	1.93%	0.131%
58	12.186	1715	1717	1719	rVV	18357	18049	2.29%	0.155%
59	12.210	1719	1721	1725	rVB3	23895	22432	2.84%	0.193%
60	12.263	1726	1730	1733	rBV	54051	61573	7.80%	0.529%
61	12.298	1733	1736	1738	rVV2	31542	42084	5.33%	0.362%
62	12.345	1742	1744	1748	rBV4	26119	37870	4.80%	0.326%
63	12.421	1753	1757	1762	rBV	485487	489089	61.95%	4.205%
64	12.463	1762	1764	1767	rBV3	15923	17741	2.25%	0.153%
65	12.568	1780	1782	1786	rBV2	14128	15289	1.94%	0.131%
66	12.645	1790	1795	1799	rBV	464421	507063	64.23%	4.359%
67	12.768	1813	1816	1817	rBV	31007	30784	3.90%	0.265%
68	12.792	1817	1820	1826	rVB	786614	725577	91.91%	6.238%
69	12.868	1829	1833	1836	rBV3	34606	50378	6.38%	0.433%
70	12.951	1845	1847	1848	rBV2	25801	21809	2.76%	0.187%
71	12.974	1848	1851	1854	rVB	109469	106710	13.52%	0.917%

LSC Area Percent Report

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Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.039	1859	1862	1865	rVB2	91530	86483	10.95%	0.743%
73	13.080	1865	1869	1876	rBV2	68723	97261	12.32%	0.836%
74	13.168	1882	1884	1887	rVB	33416	27198	3.45%	0.234%
75	13.204	1887	1890	1892	rBV	36647	34208	4.33%	0.294%
76	13.704	1972	1975	1981	rVB4	70106	94978	12.03%	0.816%
77	13.839	1994	1998	2001	rBV2	700993	789452	100.00%	6.787%
78	13.868	2001	2003	2006	rVB	155427	129081	16.35%	1.110%
79	13.945	2014	2016	2019	rVB	44924	35598	4.51%	0.306%
80	14.851	2167	2170	2173	rBV	128327	180966	22.92%	1.556%
81	15.192	2225	2228	2233	rVB	97581	128088	16.22%	1.101%
82	15.245	2234	2237	2240	rBV	287182	326650	41.38%	2.808%

Sum of corrected areas: 11632469

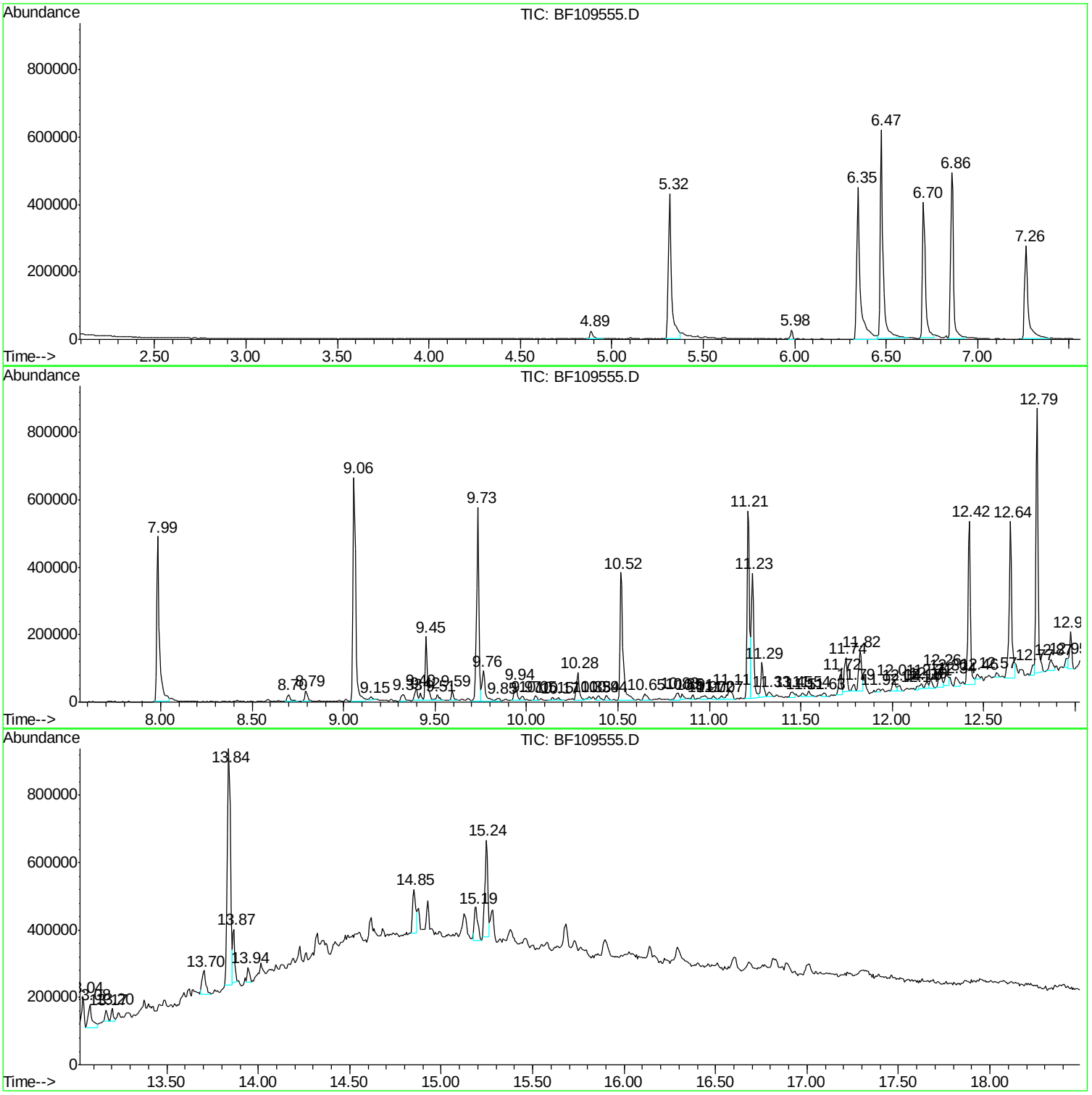
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

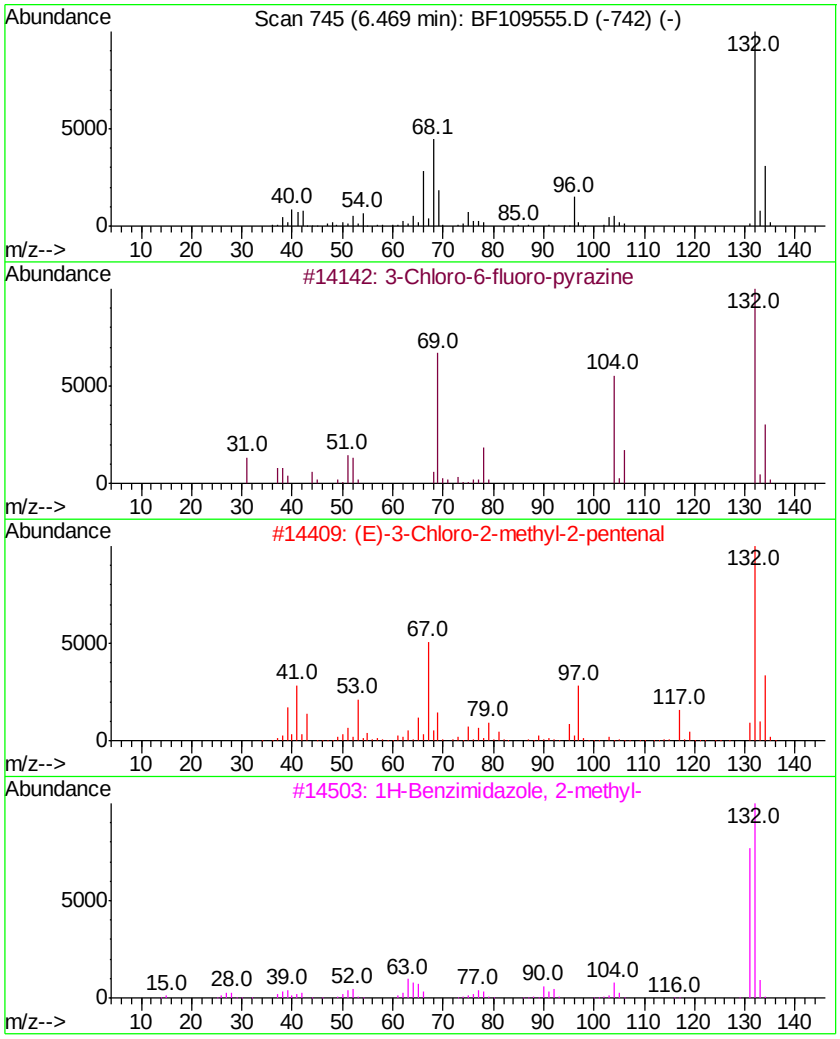
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

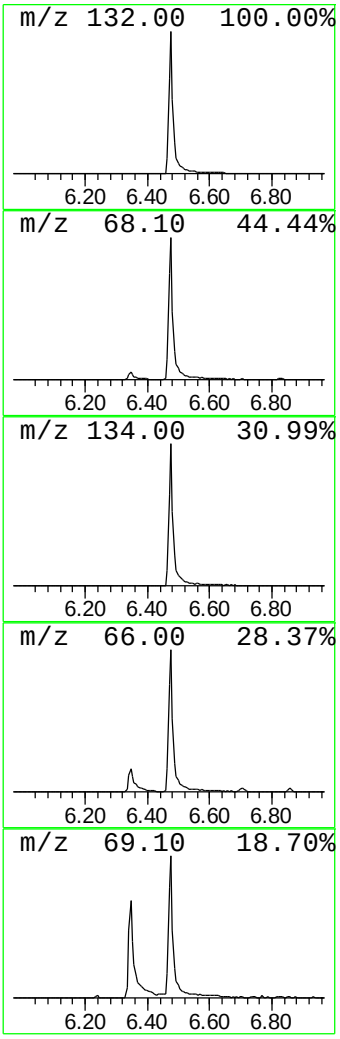
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	32.20 ng	675170	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
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Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

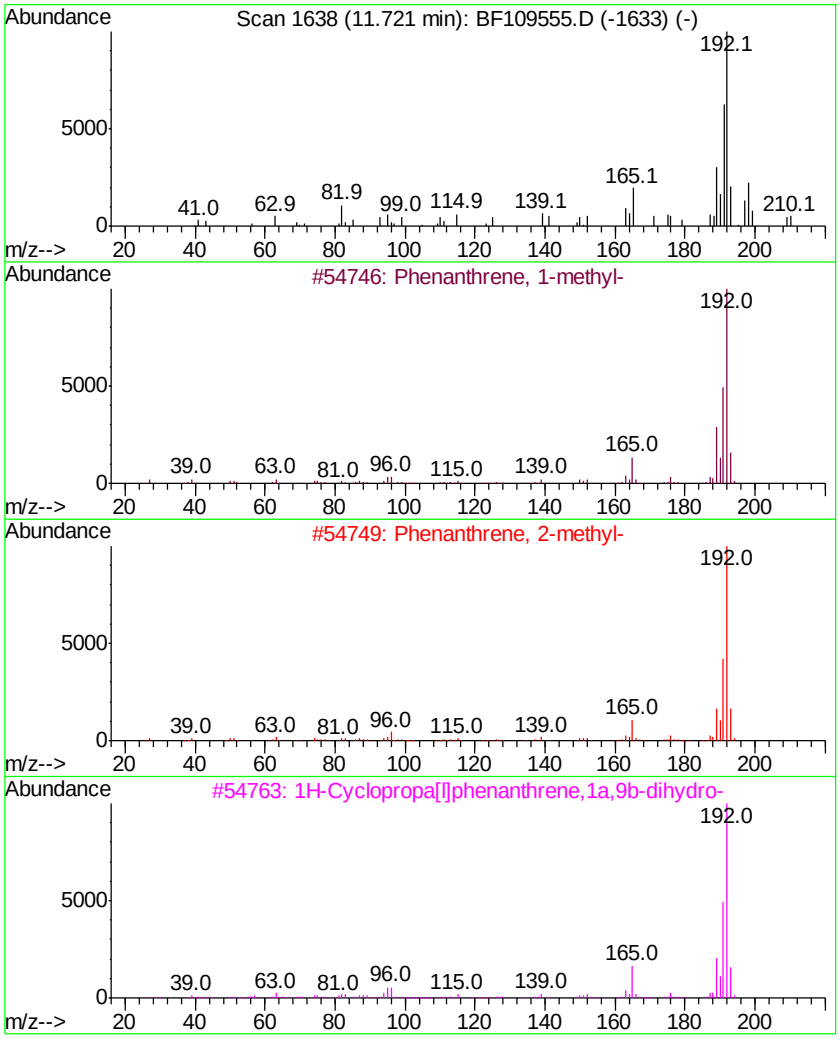
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

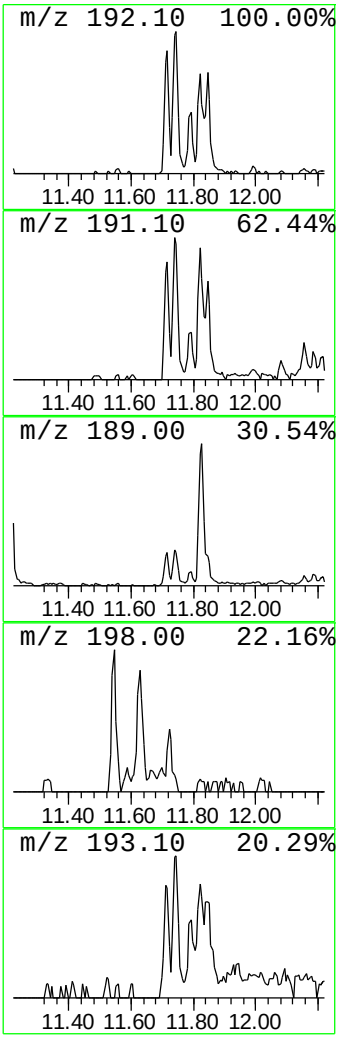
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.06 ng	62113	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

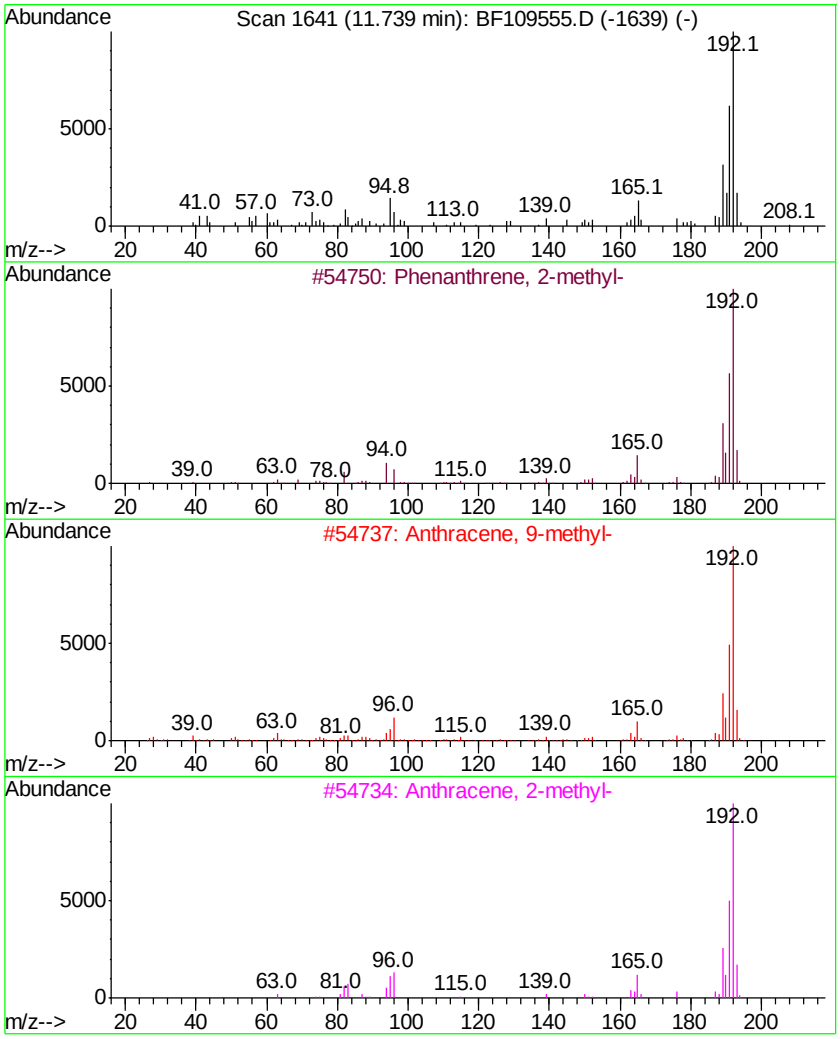
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

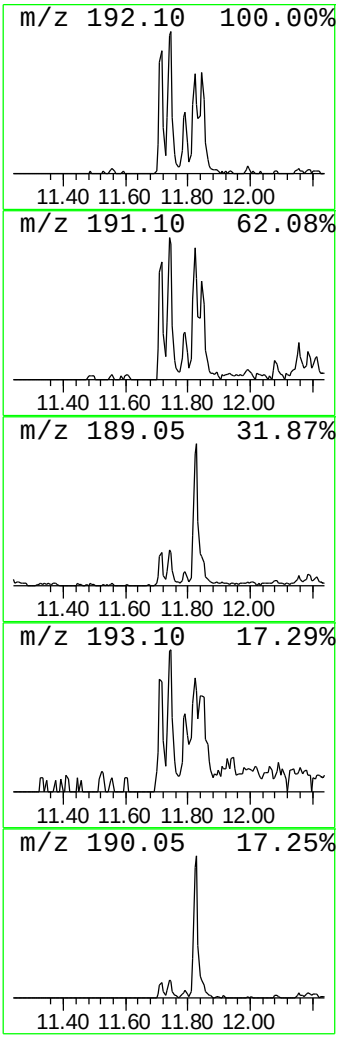
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	3.21 ng	96788	Phenanthrene-d10	11.21

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	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

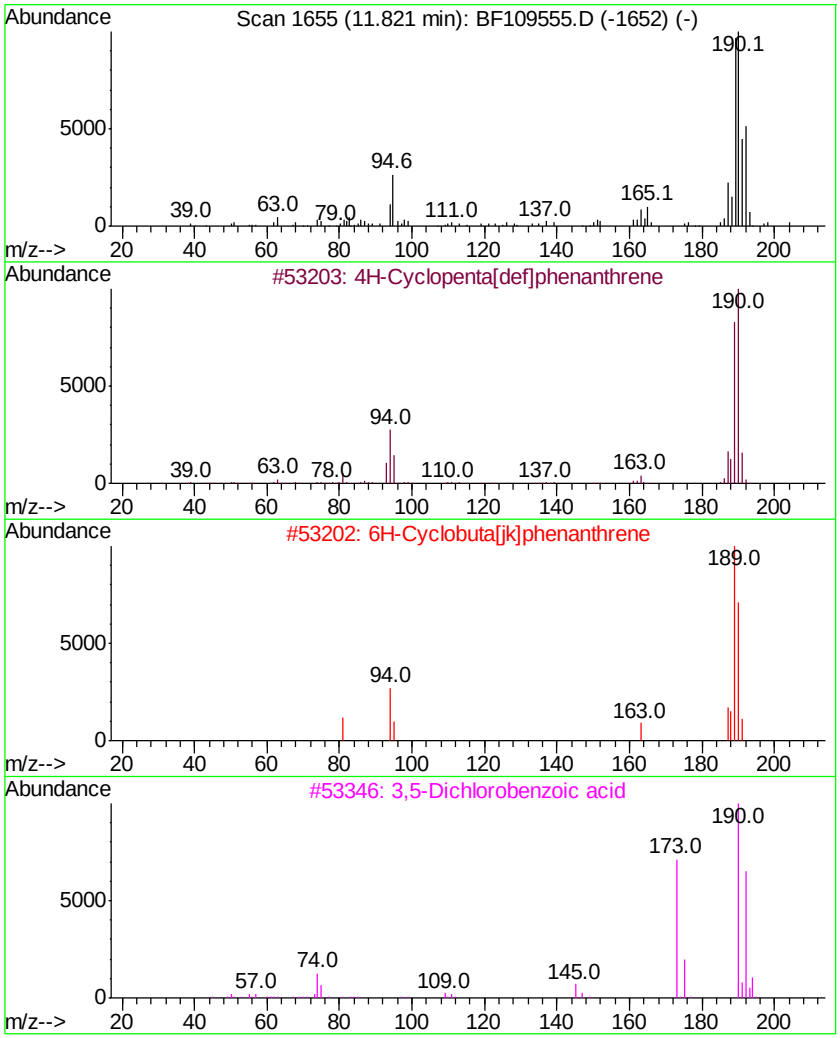
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

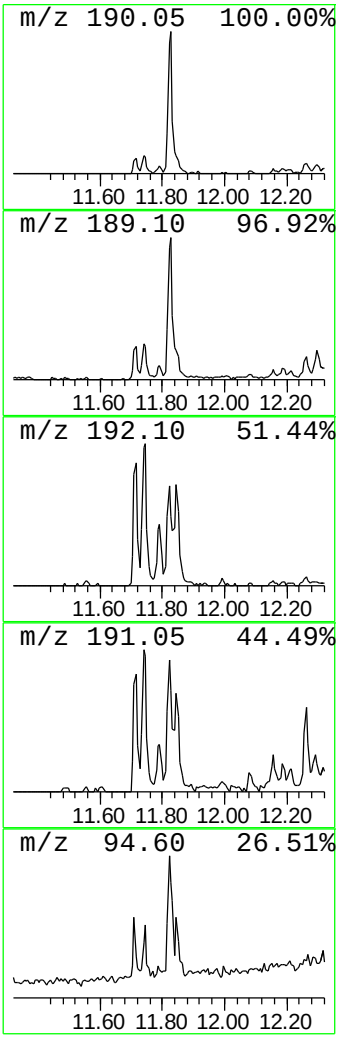
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.24 ng	127806	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

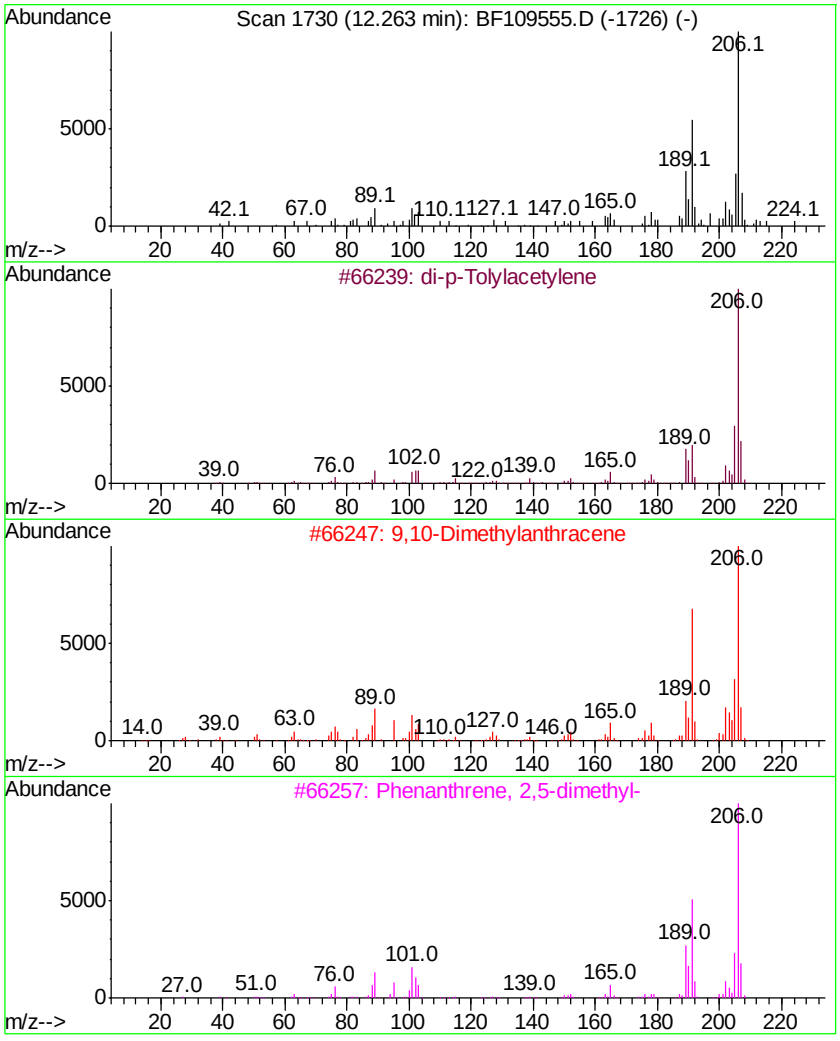
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

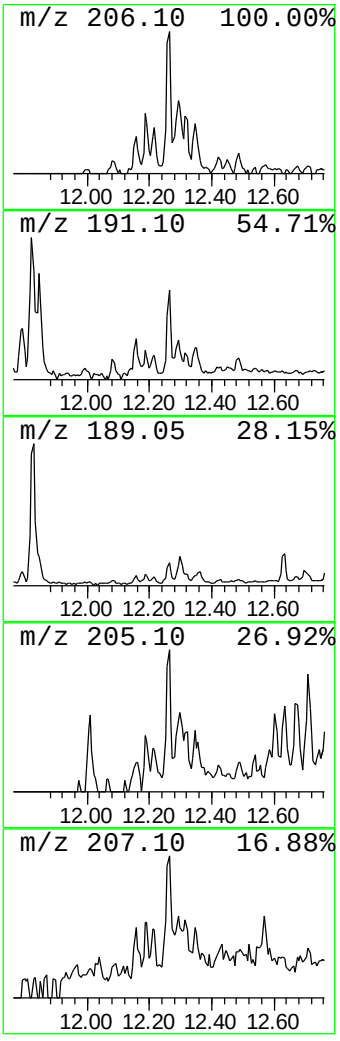
****

Peak Number 7 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.04 ng	61573	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Library Search Compound Report

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Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

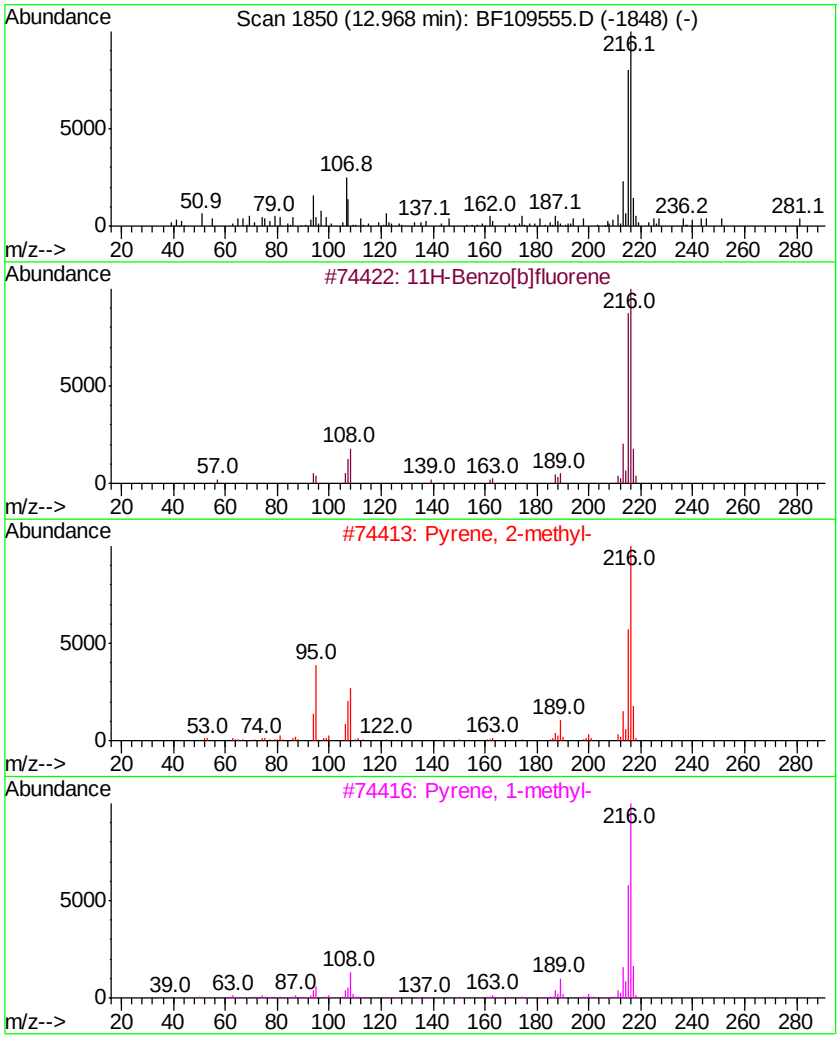
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

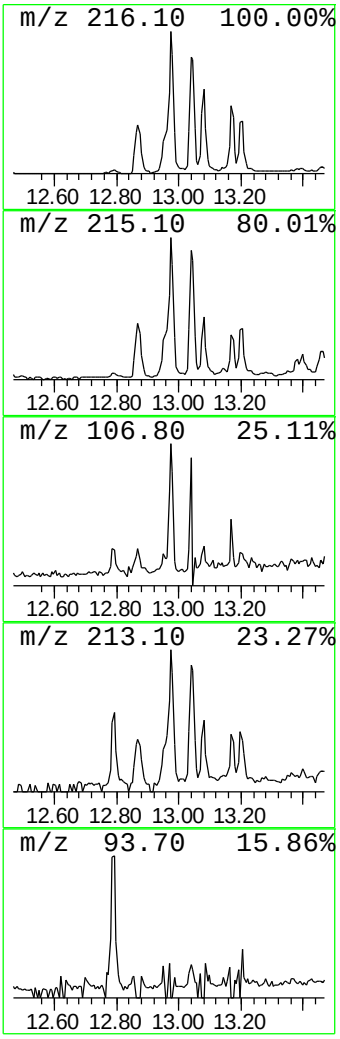
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.70 ng	106710	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

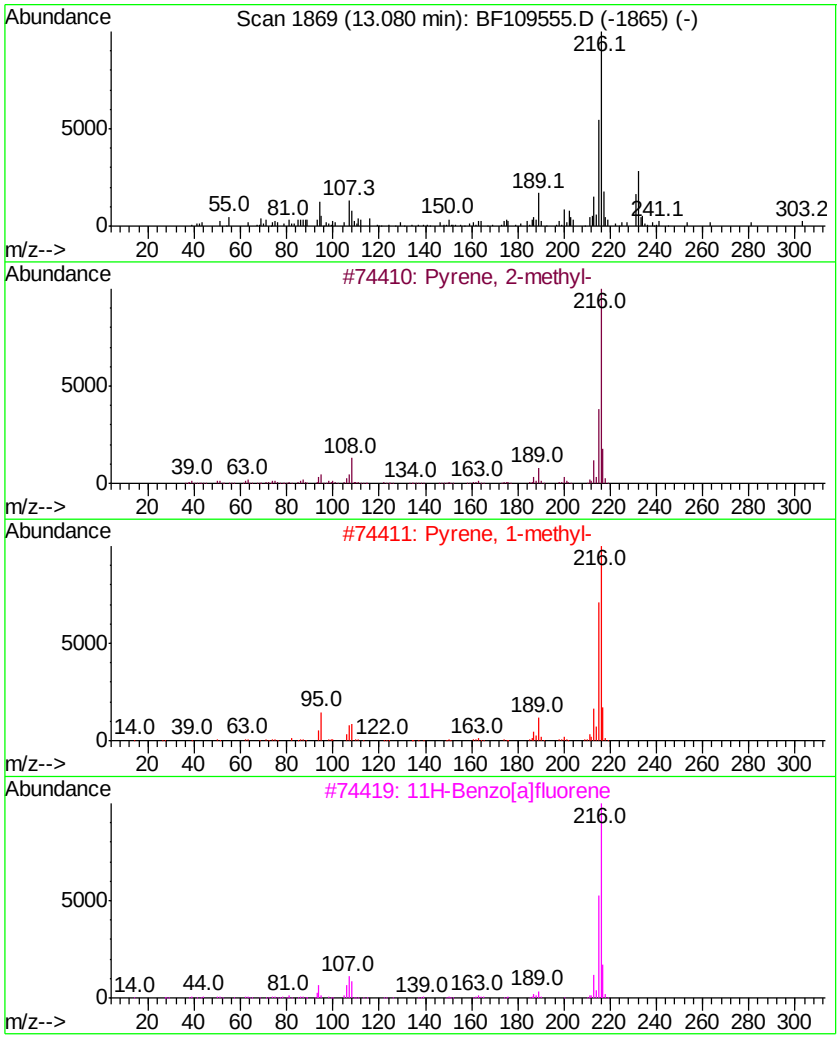
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

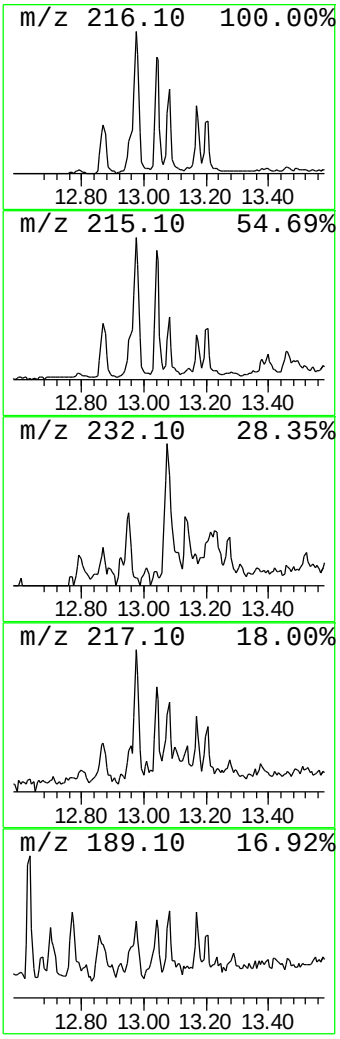
****

Peak Number 10 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.46 ng	97261	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

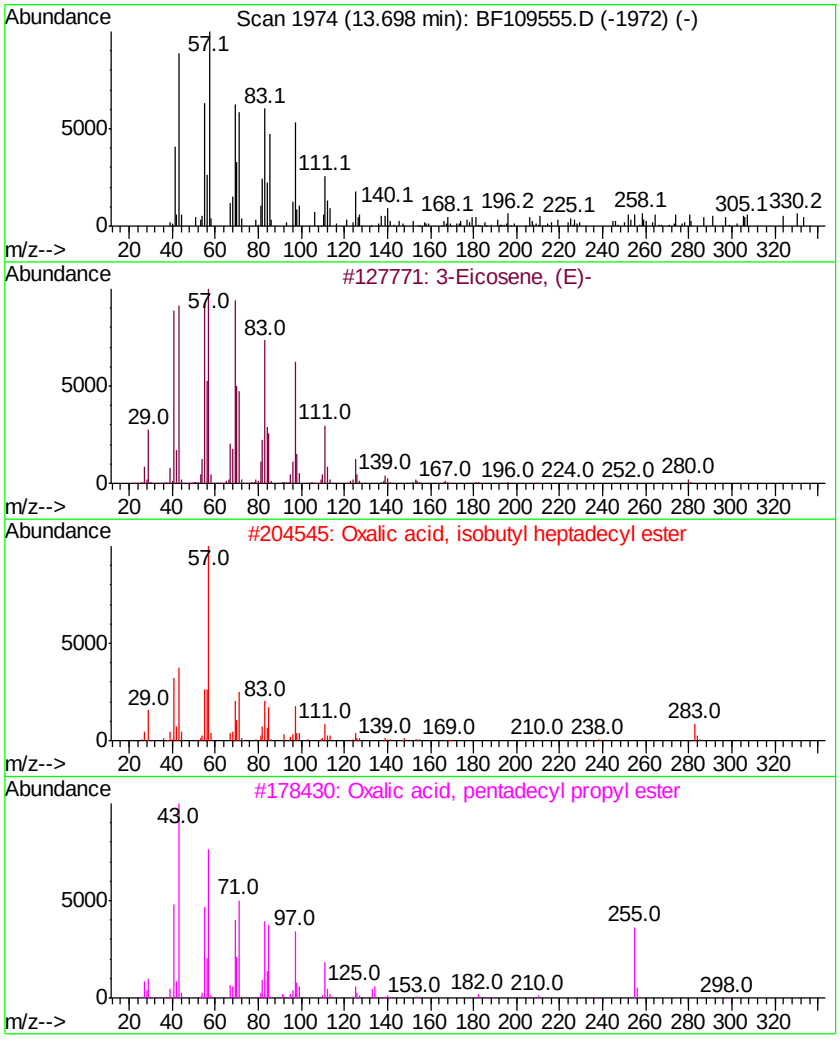
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

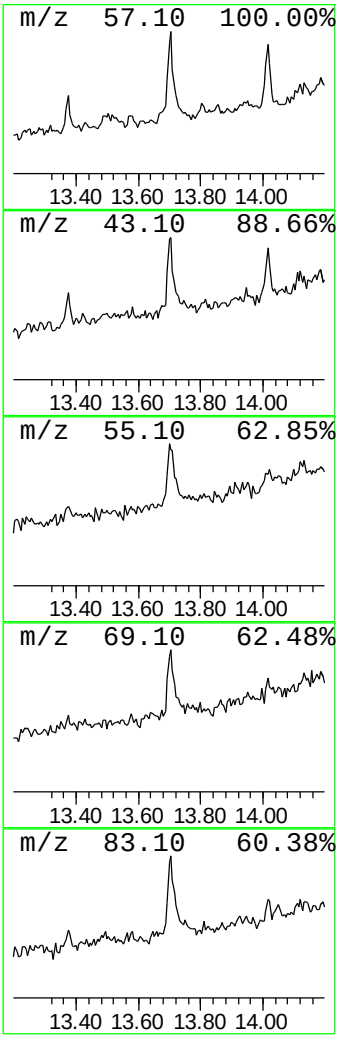
****

Peak Number 11 3-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.41 ng	94978	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	89
2	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	83
3	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	80
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	68
5	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100318\
Data File : BF109555.D
Acq On : 3 Oct 2018 19:10
Operator : JU/SJ
Sample : J5198-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	32.2	ng	675170	1	6.70	419404	20.0
Phenanthrene, 1-m...	11.72	2.1	ng	62113	4	11.21	602574	20.0
Phenanthrene, 2-m...	11.74	3.2	ng	96788	4	11.21	602574	20.0
4H-Cyclopenta[def...	11.82	4.2	ng	127806	4	11.21	602574	20.0
di-p-Tolylacetylene	12.26	2.0	ng	61573	4	11.21	602574	20.0
11H-Benzo[b]fluorene	12.97	2.7	ng	106710	5	13.84	789452	20.0
Pyrene, 2-methyl-	13.08	2.5	ng	97261	5	13.84	789452	20.0
3-Eicosene, (E)-	13.70	2.4	ng	94978	5	13.84	789452	20.0