LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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	1.644	3	5	41	rVB	2227164	5211234	100.00%	12.686%
2	4.764	276	278	290	rBV	77087	221679	4.25%	0.540%
3	5.416	332	335	356	rBV	1755613	3114601	59.77%	7.582%
4	7.062	476	479	485	rBV	1787071	3073857	58.99%	7.483%
5	7.164	485	488	493	rVV	2361302	3441296	66.04%	8.377%
6	7.233	493	494	498	rVV	43971	84093	1.61%	0.205%
7	7.507	515	518	523	rBV	561621	733267	14.07%	1.785%
8	7.736	536	538	552	rVB	1528253	2316075	44.44%	5.638%
9	8.422	596	598	606	rBV	1611254	2125313	40.78%	5.174%
10	8.525	606	607	617	rVB3	31671	79759	1.53%	0.194%
11	9.542	693	696	701	rBV	541481	952350	18.27%	2.318%
12	10.708	796	798	805	rBV	28044	53513	1.03%	0.130%
13	11.313	848	851	854	rBV	2290983	2688276	51.59%	6.544%
14	12.011	910	912	917	rBV	264601	390633	7.50%	0.951%
15	12.136	921	923	927	rBV	114794	174670	3.35%	0.425%
16	12.365	940	943	947	rBV2	652601	995777	19.11%	2.424%
17	13.199	1014	1016	1019	rBV	120333	140428	2.69%	0.342%
18	13.554	1043	1047	1050	rBV3	40122	100073	1.92%	0.244%
19	13.657	1053	1056	1062	rVV	1170729	1642650	31.52%	3.999%
20	13.977	1081	1084	1088	rBV	94655	193244	3.71%	0.470%
21	14.708	1145	1148	1150	rBV	47880	71597	1.37%	0.174%
22	14.765	1150	1153	1155	rVV	603715	755634	14.50%	1.840%
23	14.811	1155	1157	1161	rVB	100912	160764	3.08%	0.391%
24	14.902	1162	1165	1171	rVB	88924	158254	3.04%	0.385%
25	15.211	1190	1192	1198	rVB4	34647	79820	1.53%	0.194%
26	15.611	1225	1227	1230	rVV	50040	66096	1.27%	0.161%
27	15.714	1235	1236	1238	rVV	68571	88406	1.70%	0.215%
28	15.760	1238	1240	1243	rVB	39656	63105	1.21%	0.154%
29	16.080	1266	1268	1274	rBV2	32876	55862	1.07%	0.136%
30	16.365	1289	1293	1295	rBV	79512	107430	2.06%	0.262%
31	16.411	1295	1297	1299	rVV	36751	52768	1.01%	0.128%
32	16.491	1302	1304	1306	rBV2	54850	78125	1.50%	0.190%
33	16.571	1309	1311	1317	rVB	574846	845300	16.22%	2.058%
34	16.708	1321	1323	1326	rVB	48918	60572	1.16%	0.147%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.868	1335	1337	1340	rVB	747064	856719	16.44%	2.086%
36	16.971	1340	1346	1347	rBV4	20275	52664	1.01%	0.128%
37	17.074	1353	1355	1356	rBV2	41131	58720	1.13%	0.143%
38	17.120	1356	1359	1361	rVV	1123866	1610225	30.90%	3.920%
39	17.200	1362	1366	1370	rBV2	60751	141956	2.72%	0.346%
40	17.303	1372	1375	1377	rBV	79009	149570	2.87%	0.364%
41	17.337	1377	1378	1381	rVB	96669	114507	2.20%	0.279%
42	17.428	1381	1386	1388	rBV	72028	117692	2.26%	0.287%
43	17.474	1388	1390	1396	rBV2	133886	262167	5.03%	0.638%
44	17.588	1396	1400	1402	rBV2	76510	106216	2.04%	0.259%
45	17.680	1406	1408	1412	rVB3	21291	52215	1.00%	0.127%
46	17.783	1414	1417	1420	rVB3	49298	88038	1.69%	0.214%
47	17.863	1420	1424	1425	rBV3	28903	82115	1.58%	0.200%
48	18.034	1436	1439	1442	rVV	80498	148467	2.85%	0.361%
49	18.148	1446	1449	1450	rVV2	69361	105821	2.03%	0.258%
50	18.171	1450	1451	1453	rVV	112528	112226	2.15%	0.273%
51	18.206	1453	1454	1456	rVV	67982	83189	1.60%	0.203%
52	18.308	1460	1463	1466	rVB2	87065	149595	2.87%	0.364%
53	18.457	1473	1476	1478	rVV2	776961	1270213	24.37%	3.092%
54	18.503	1478	1480	1485	rVV	332166	640576	12.29%	1.559%
55	18.594	1485	1488	1490	rVV4	73375	108733	2.09%	0.265%
56	18.686	1494	1496	1500	rVV3	54839	123170	2.36%	0.300%
57	18.754	1500	1502	1504	rVV2	46344	85715	1.64%	0.209%
58	18.800	1504	1506	1508	rVB3	40017	55700	1.07%	0.136%
59	18.971	1519	1521	1523	rVB	99192	120596	2.31%	0.294%
60	19.017	1523	1525	1527	rVB2	64463	71151	1.37%	0.173%
61	19.063	1527	1529	1530	rBV	43027	71197	1.37%	0.173%
62	19.120	1533	1534	1536	rBV2	60342	78291	1.50%	0.191%
63	19.406	1557	1559	1562	rVB3	45478	81707	1.57%	0.199%
64	19.497	1562	1567	1568	rBV4	25792	71203	1.37%	0.173%
65	19.589	1572	1575	1577	rBV	65456	118333	2.27%	0.288%
66	19.726	1585	1587	1589	rBV	520004	834032	16.00%	2.030%
67	19.851	1596	1598	1604	rVB2	115931	194184	3.73%	0.473%
68	19.943	1604	1606	1608	rBV2	31462	65846	1.26%	0.160%
69	20.023	1611	1613	1617	rBV	363210	451566	8.67%	1.099%
70	20.080	1617	1618	1621	rBV	293845	412946	7.92%	1.005%
71	20.137	1621	1623	1625	rBV	473835	499949	9.59%	1.217%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.983	1695	1697	1703	rVB6	32430	89118	1.71%	0.217%
73	21.074	1703	1705	1709	rBV4	30606	69477	1.33%	0.169%
74	21.154	1709	1712	1715	rVB2	30704	54831	1.05%	0.133%
75	21.223	1715	1718	1720	rBV	26288	52455	1.01%	0.128%
76	21.383	1729	1732	1737	rVB	160935	357663	6.86%	0.871%
77	21.577	1747	1749	1752	rVB2	30652	55821	1.07%	0.136%
78	21.737	1761	1763	1769	rVB	99998	223238	4.28%	0.543%
79	22.549	1832	1834	1841	rVB6	22677	67655	1.30%	0.165%
80	23.589	1921	1925	1933	rVB2	21493	84139	1.61%	0.205%

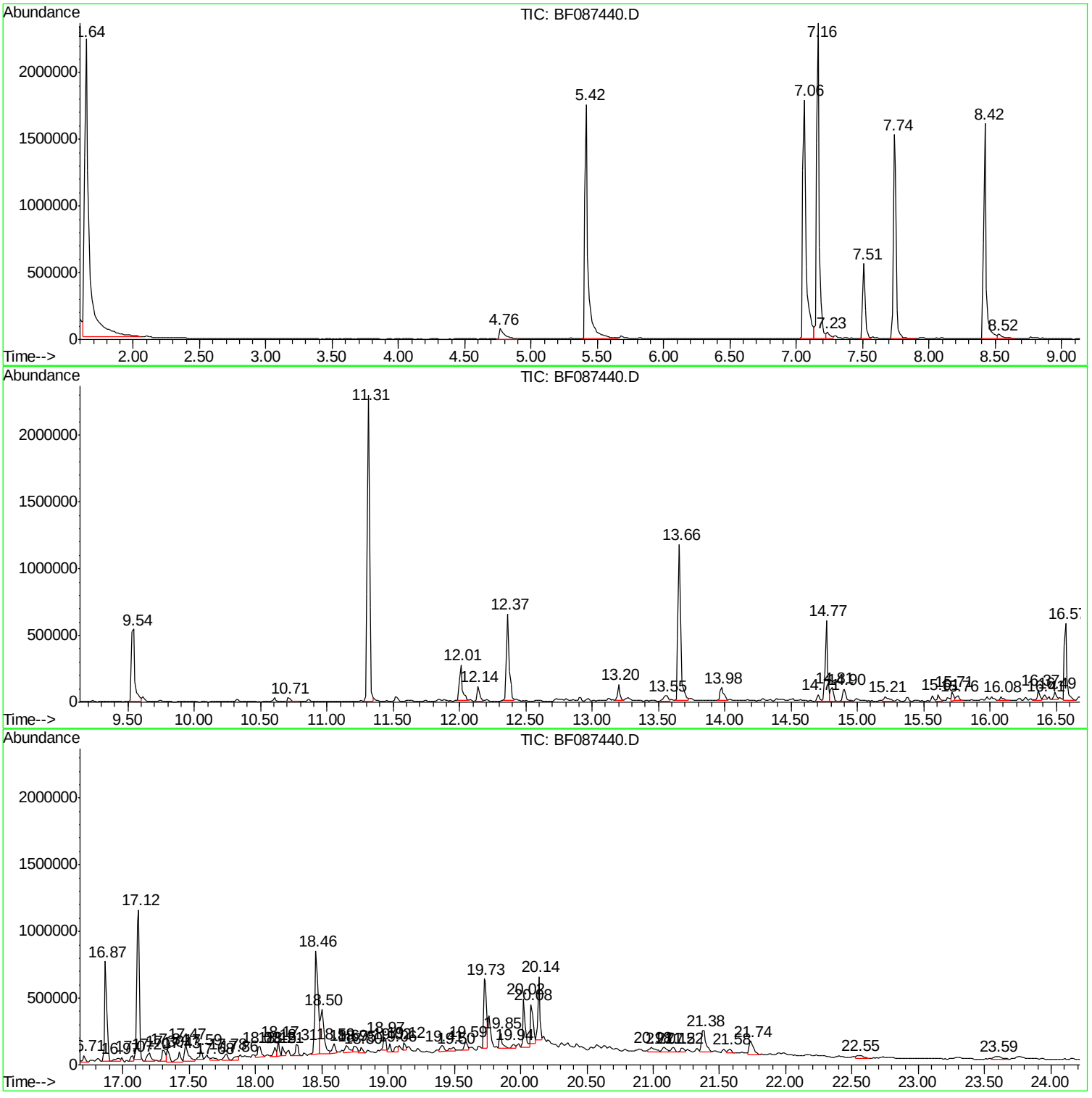
Sum of corrected areas: 41078128

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

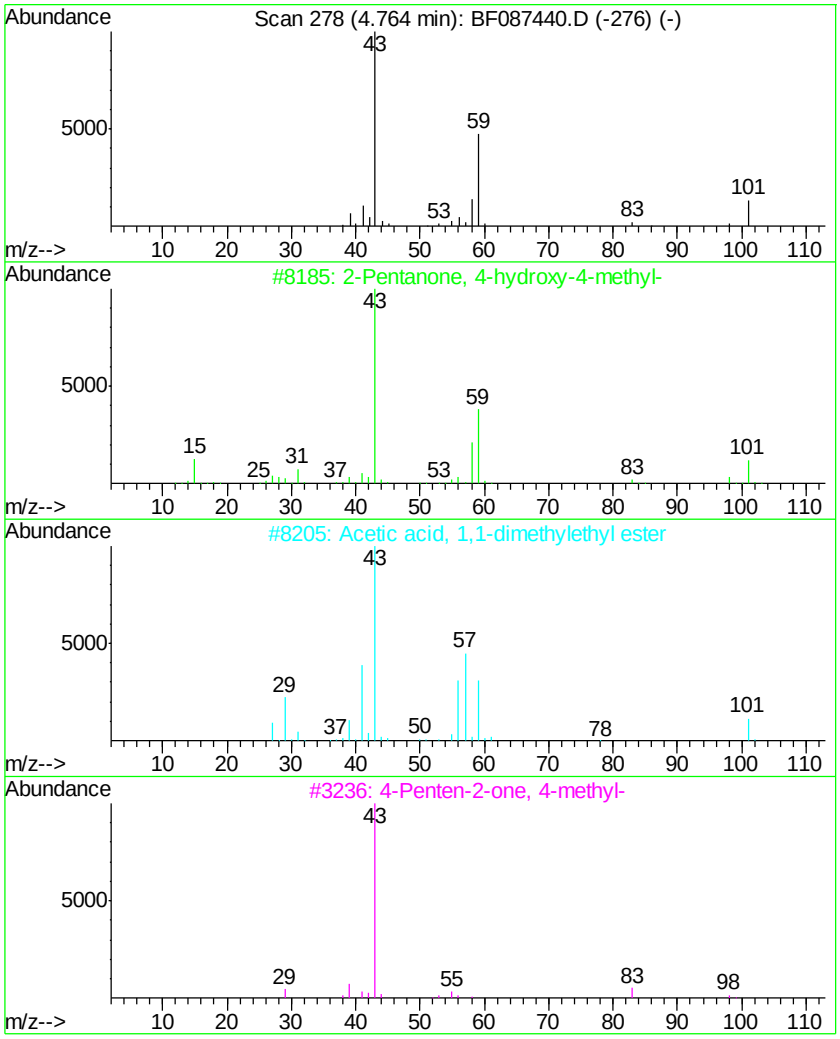
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

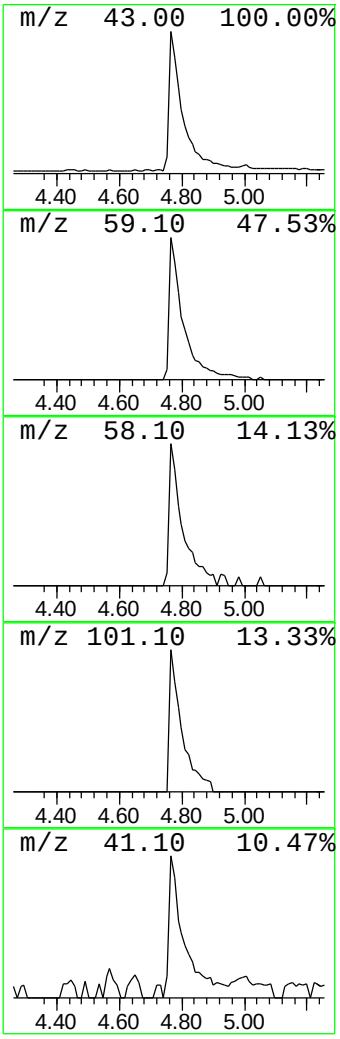
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	6.05 ng	221679	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	2-Pentanone	86	C5H10O	000107-87-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

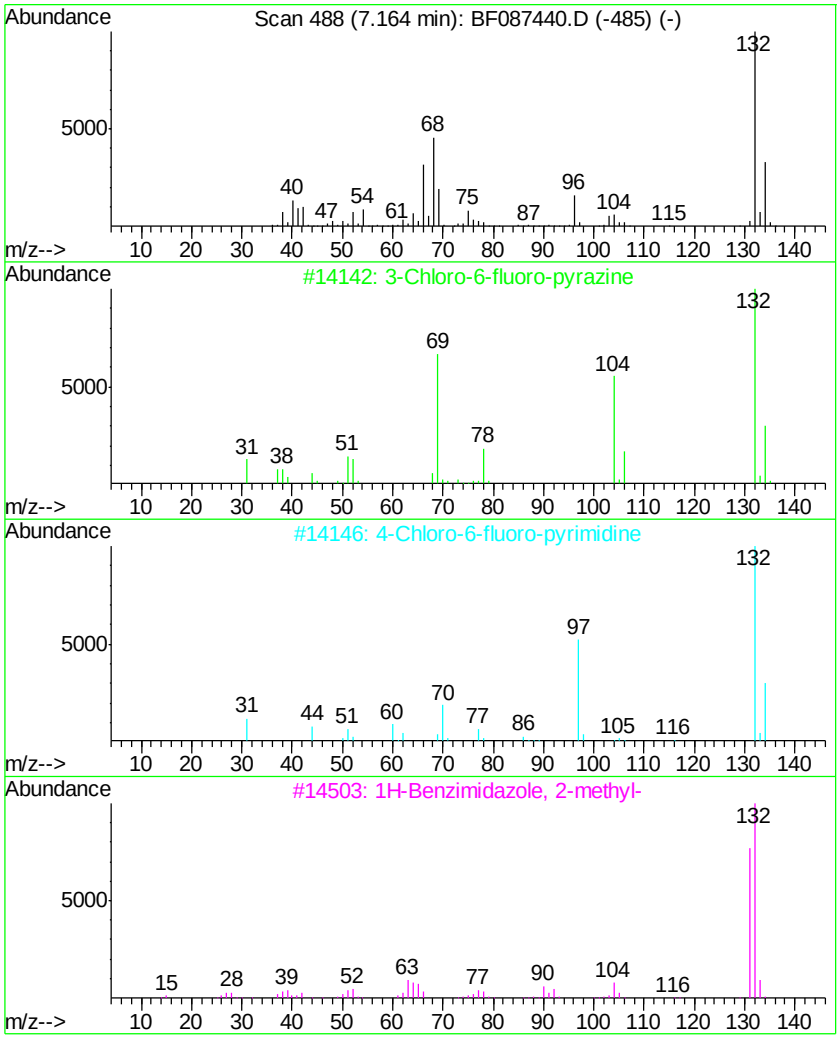
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

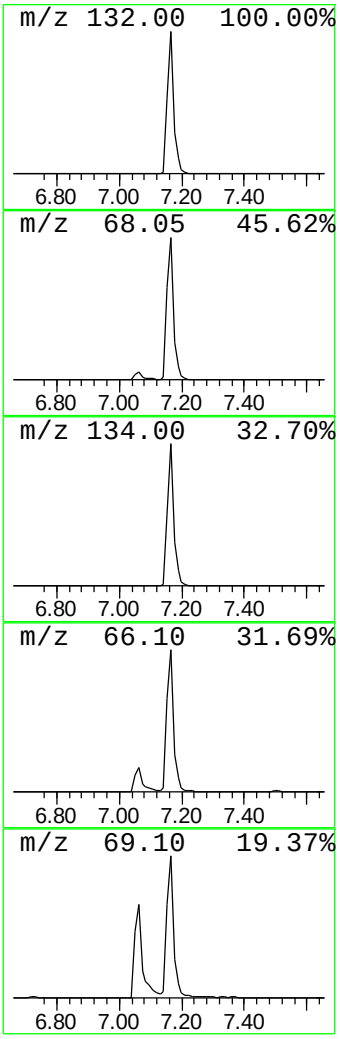
****

Peak Number 3 unknown7.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	93.86 ng	3441300	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

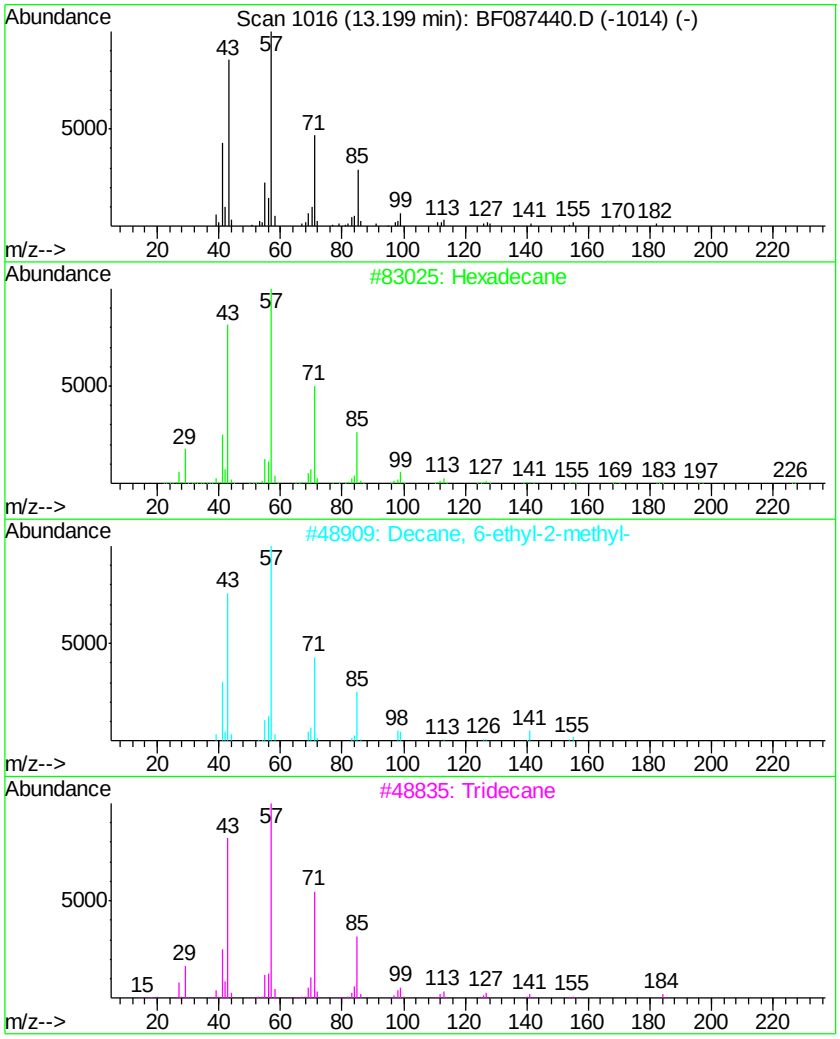
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

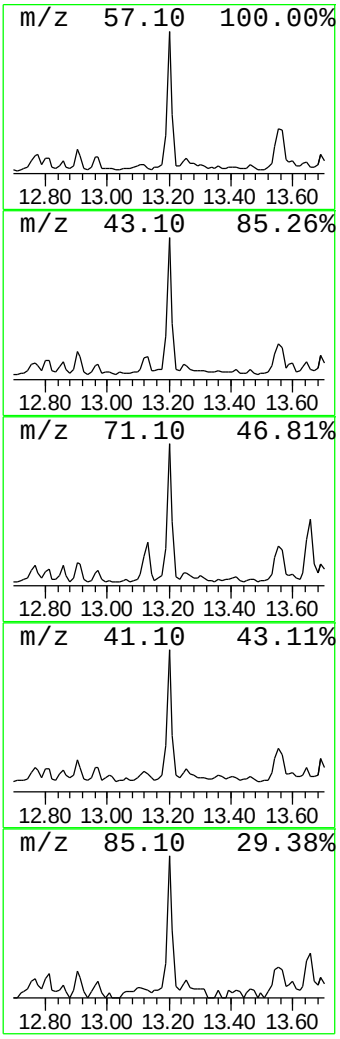
****

Peak Number 5 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.82 ng	140428	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

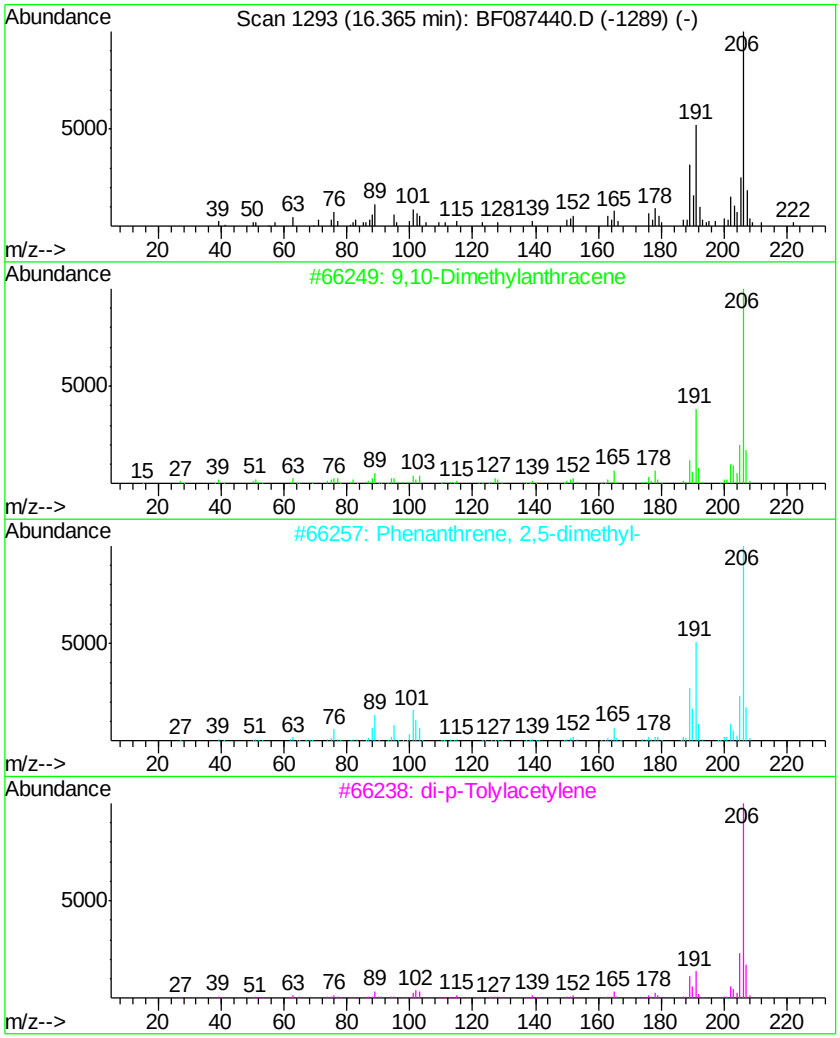
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

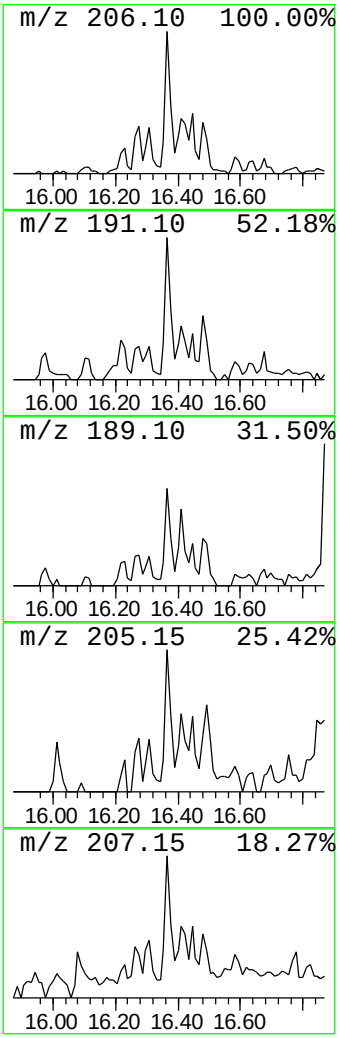
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.84 ng	107430	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

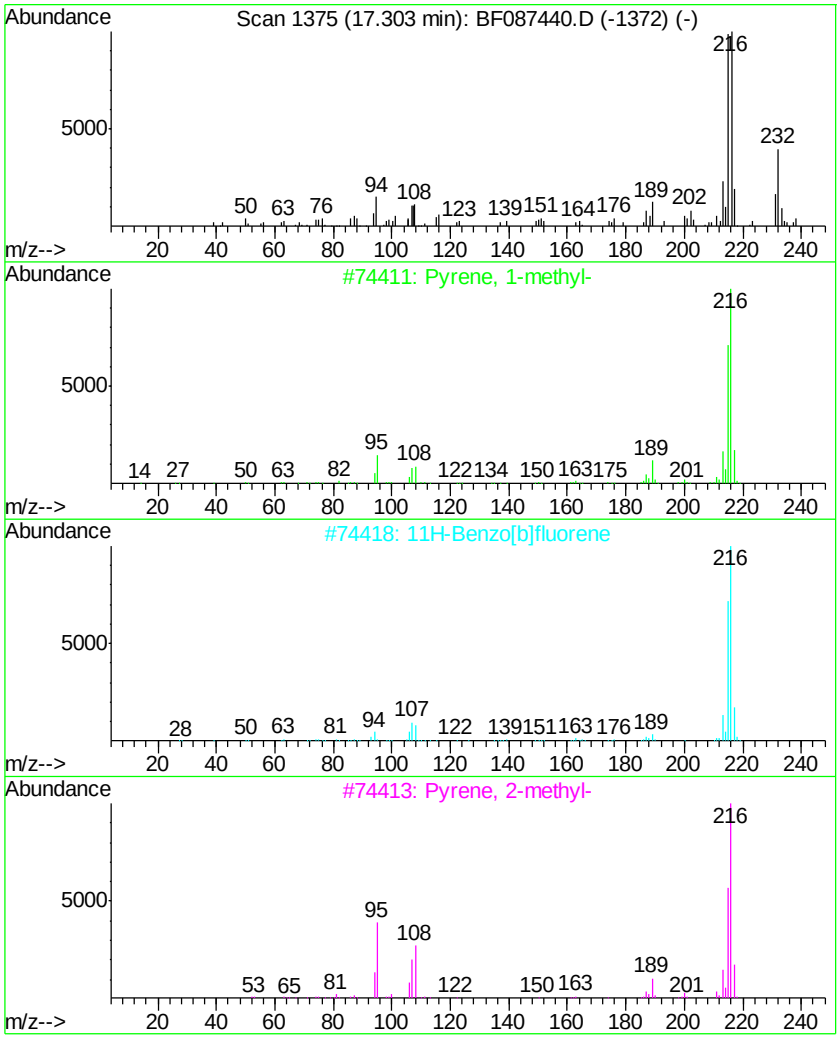
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

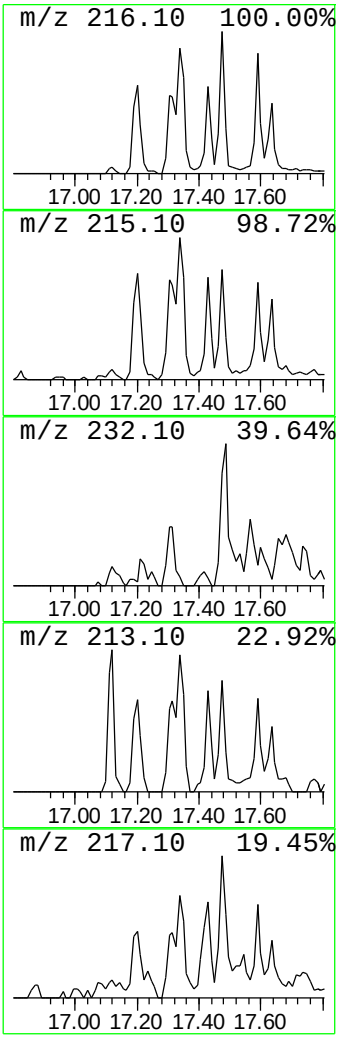
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	2.36 ng	149570	Chrysene-d12	18.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

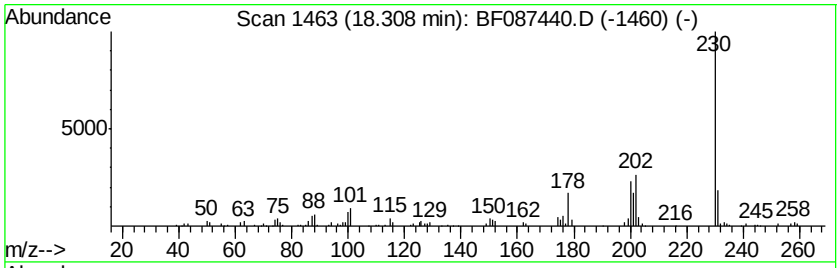
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

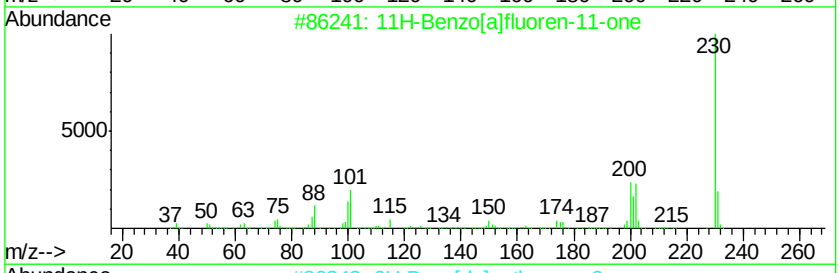
****

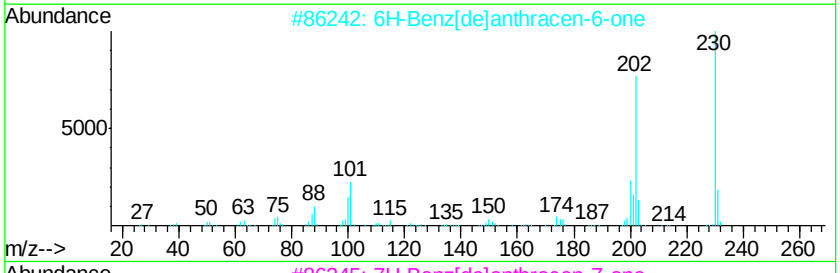
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 19

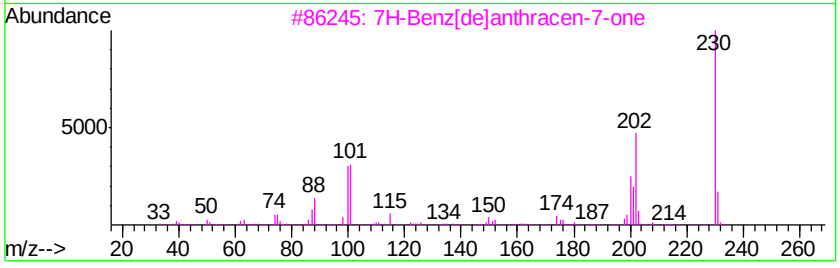
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	2.36 ng	149595	Chrysene-d12	18.47

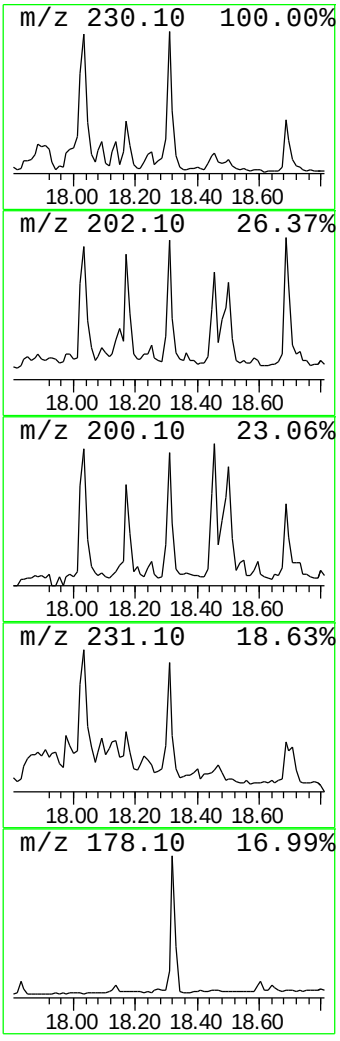
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	50
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	50











Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

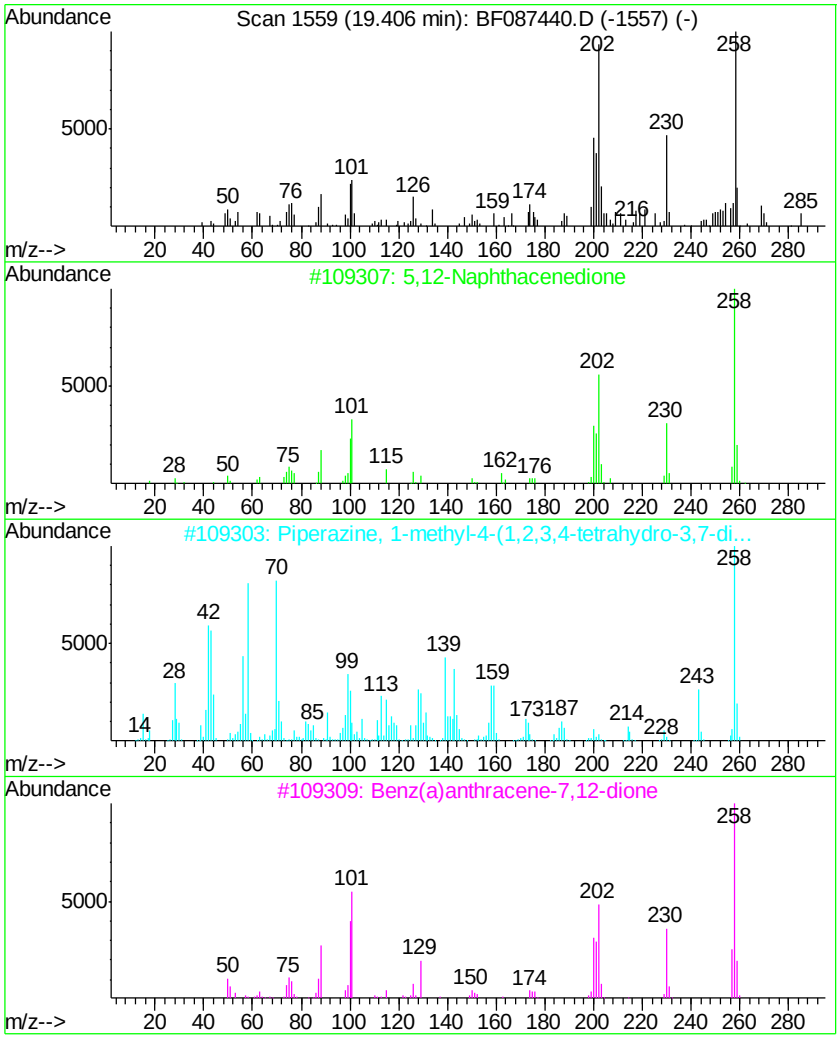
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

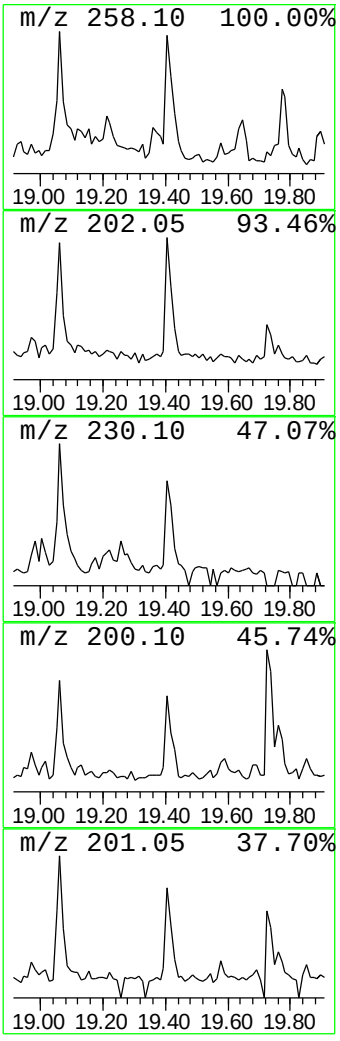
****

Peak Number 11 5,12-Naphthacenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	3.27 ng	81707	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	81
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	53
5	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

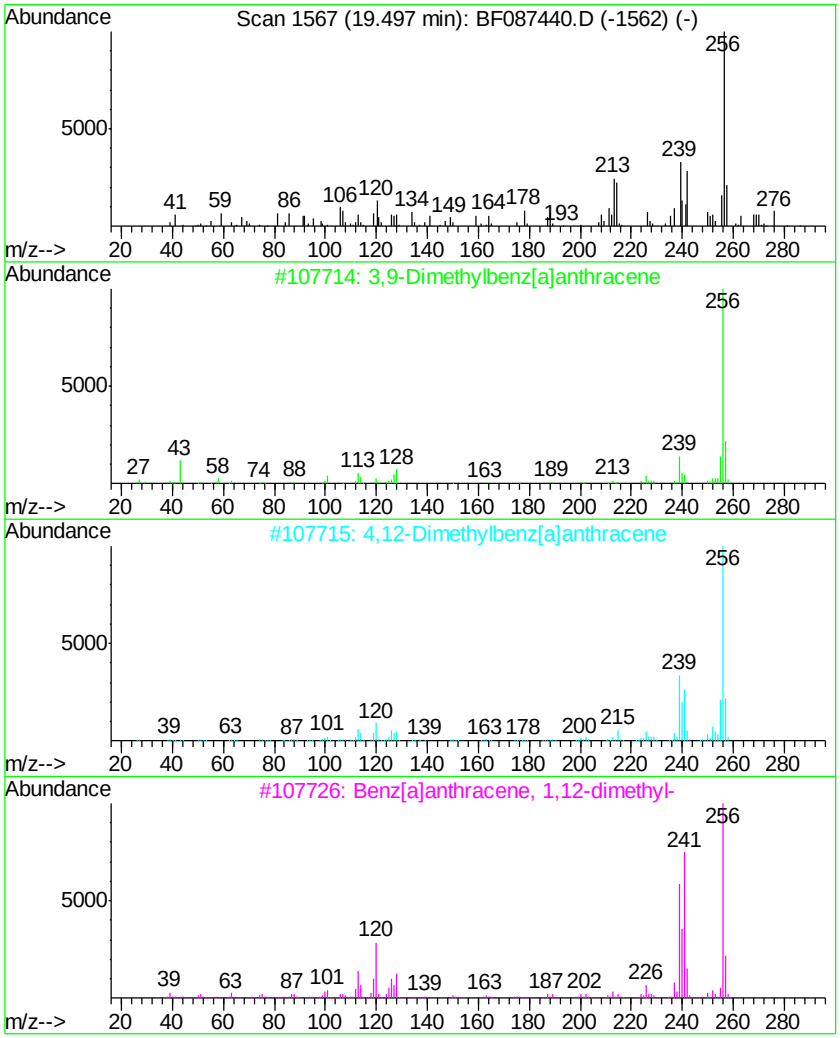
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

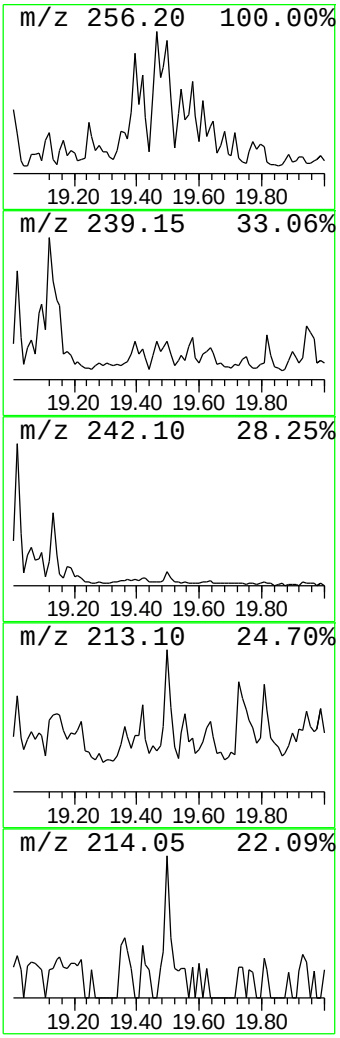
****

Peak Number 12 3,9-Dimethylbenz[a]anthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	2.85 ng	71203	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	53
2	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	50
3	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	50
4	4-Hydroxy-1-methyl-6-phenyl-3-(p...	256	C15H16N2O2	1000239-66-9	50
5	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

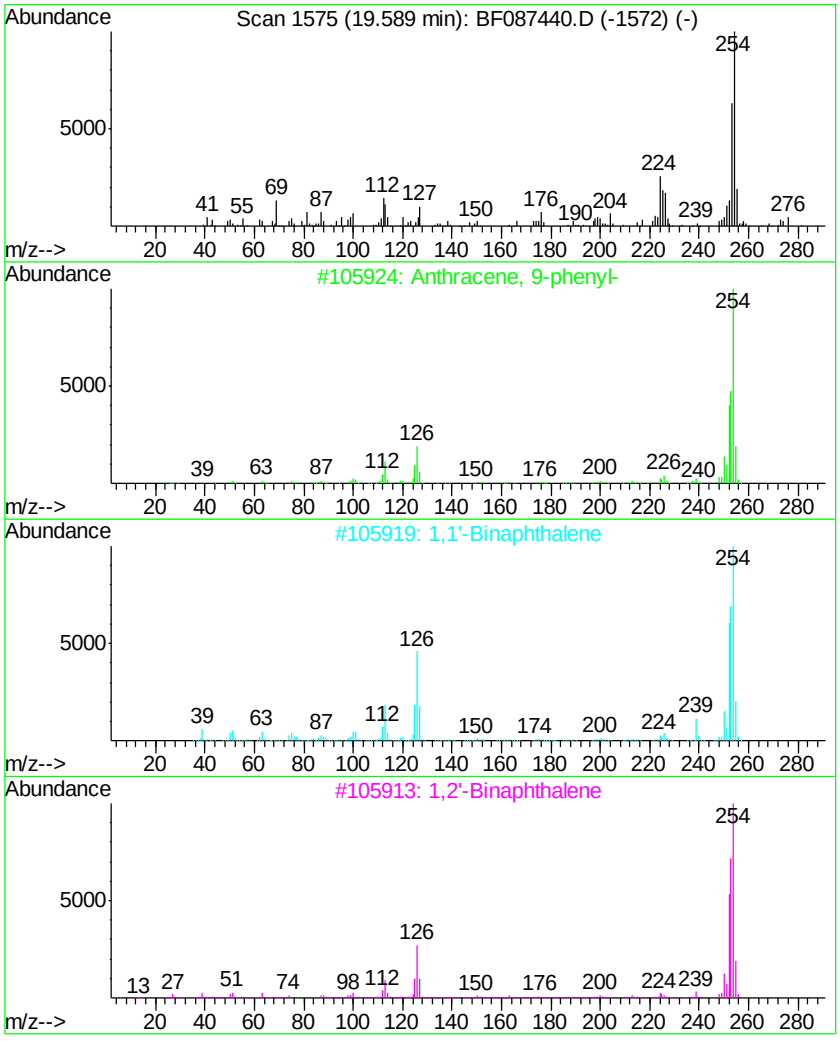
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

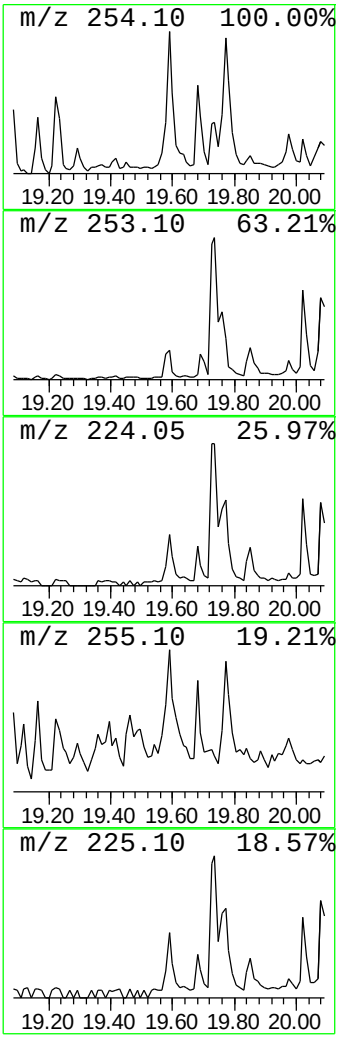
****

Peak Number 13 Anthracene, 9-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	4.73 ng	118333	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	76
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
4	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	64
5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

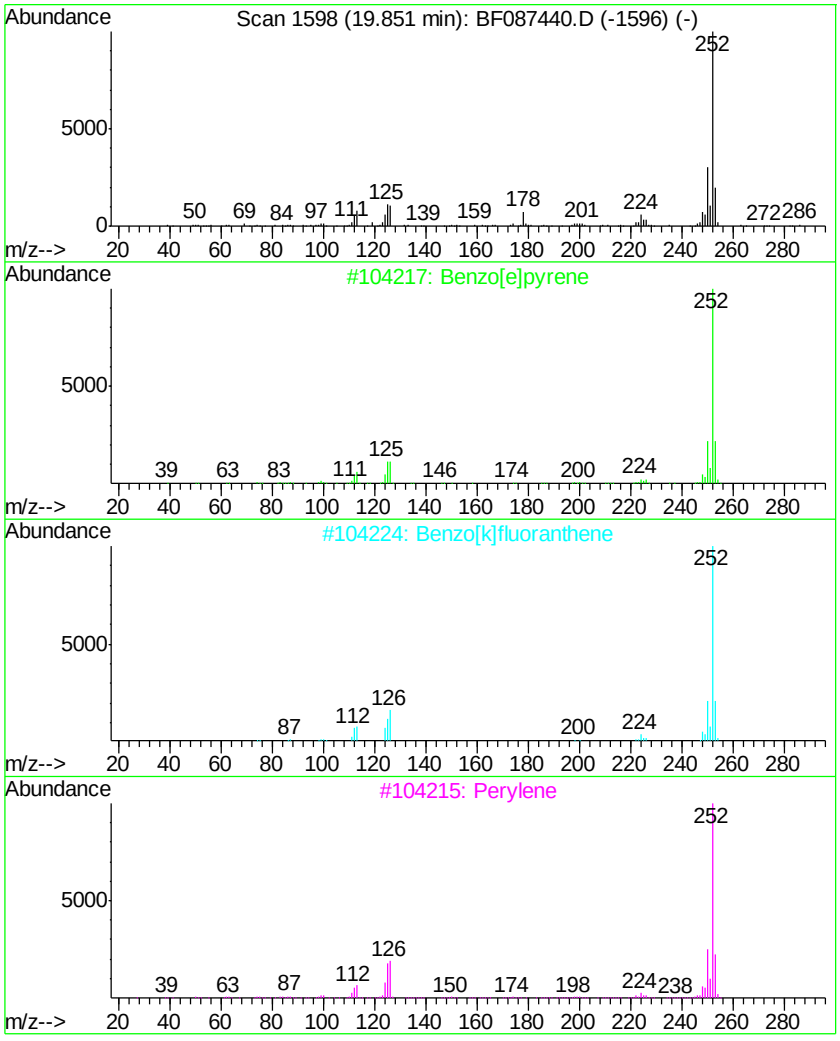
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

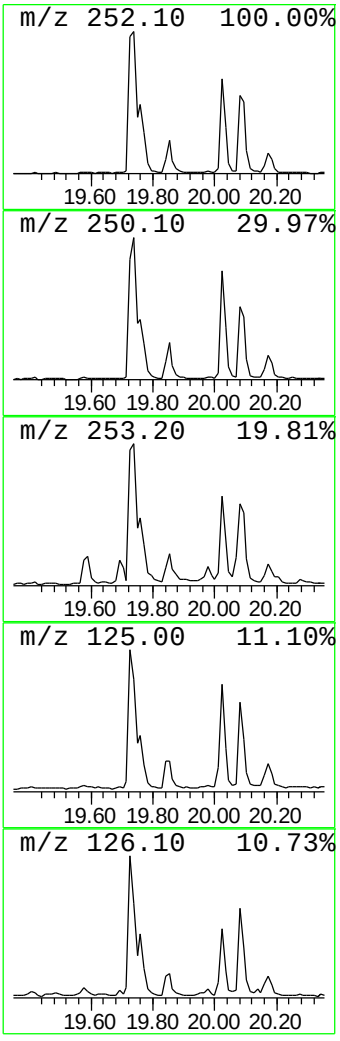
****

Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	7.77 ng	194184	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

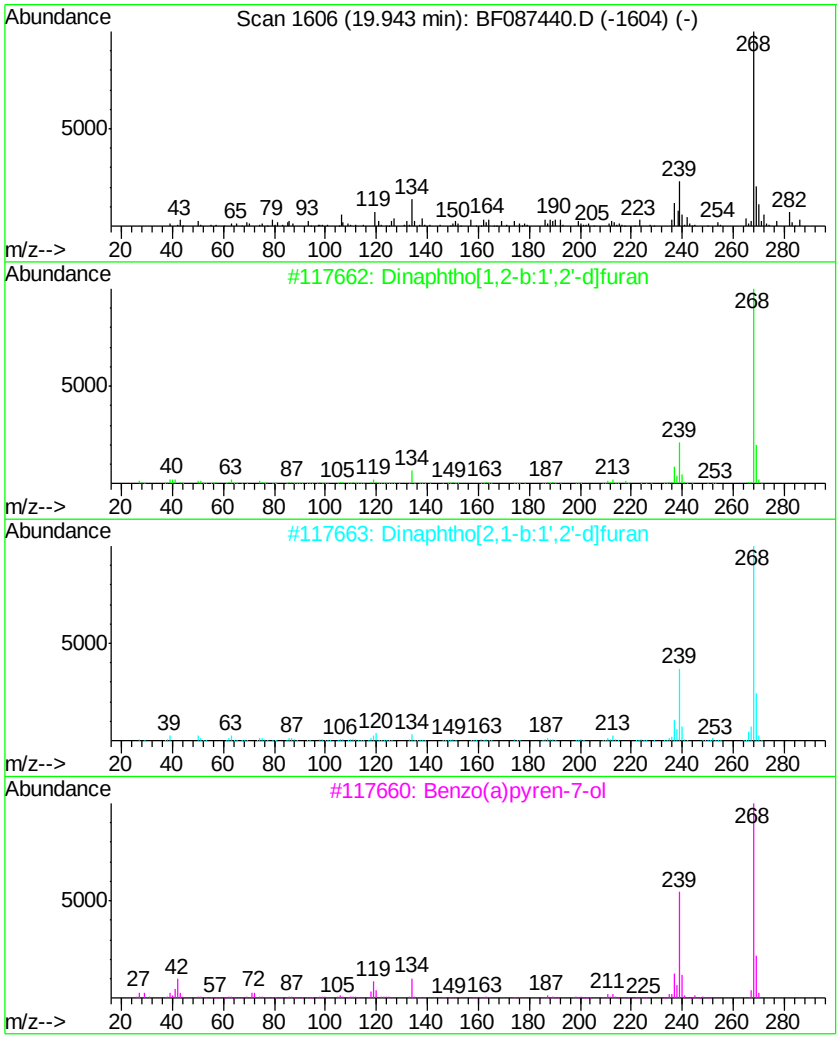
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

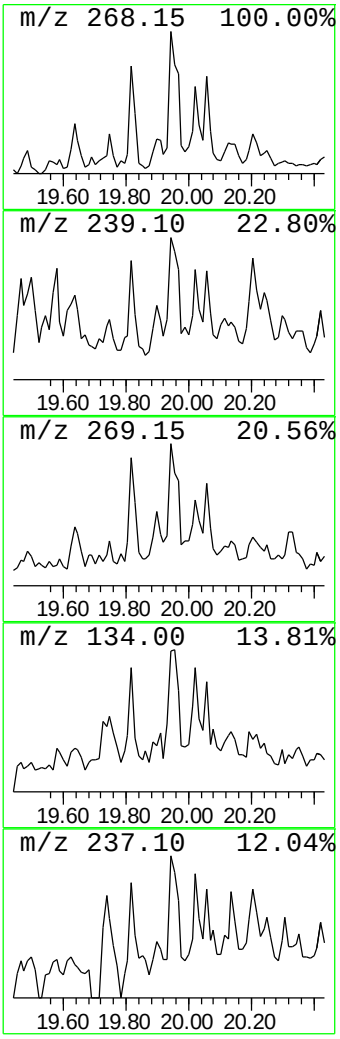
****

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.63 ng	65846	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	70
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	64
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

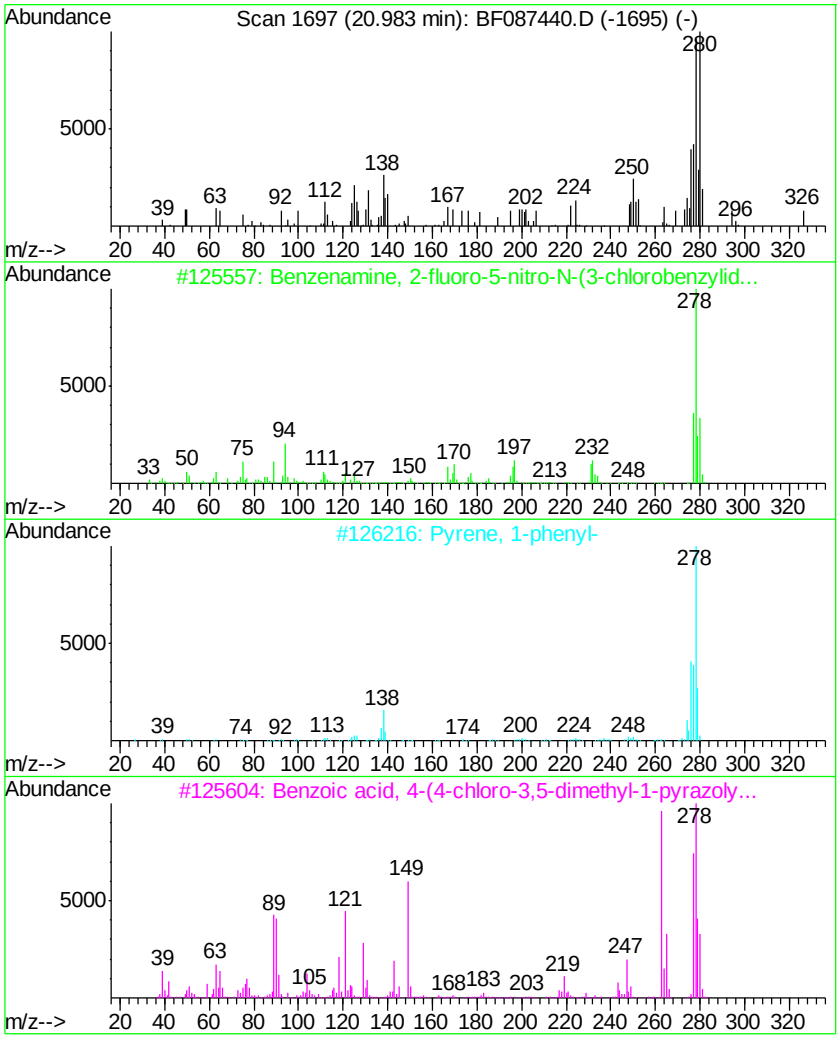
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

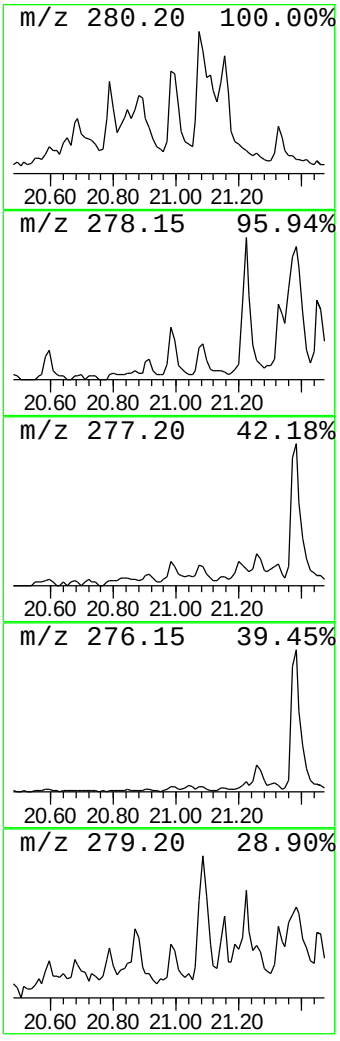
****

Peak Number 17 unknown20.98 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	3.57 ng	89118	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-fluoro-5-nitro-N-...	278	C13H8ClFN2O2	304478-89-5	43
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	38
3	Benzoic acid, 4-(4-chloro-3,5-di...	278	C14H15ClN2O2	1000273-83-5	38
4	Indeno[2,1-b]pyran, 2-(4-chlorop...	278	C18H11ClO	062096-34-8	27
5	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

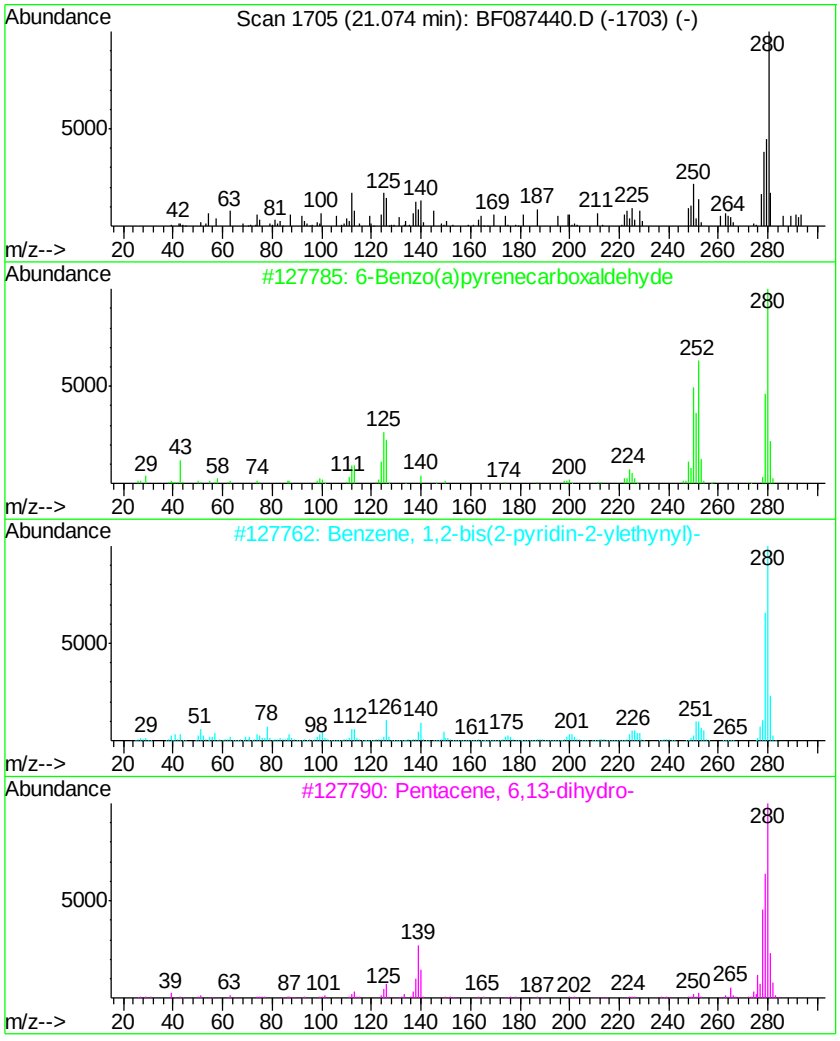
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

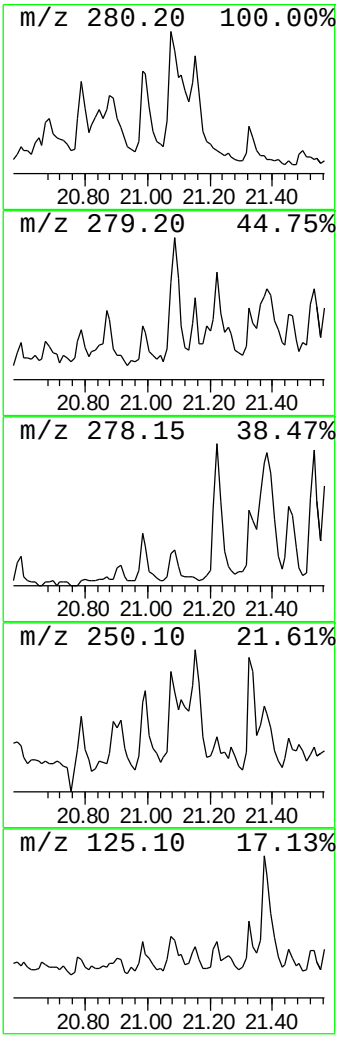
****

Peak Number 18 6-Benzo(a)pyrenecarboxaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.78 ng	69477	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	58
2	Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	58
3	Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	47
4	(9E)-Styrylanthracene	280	C22H16	001895-98-3	46
5	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

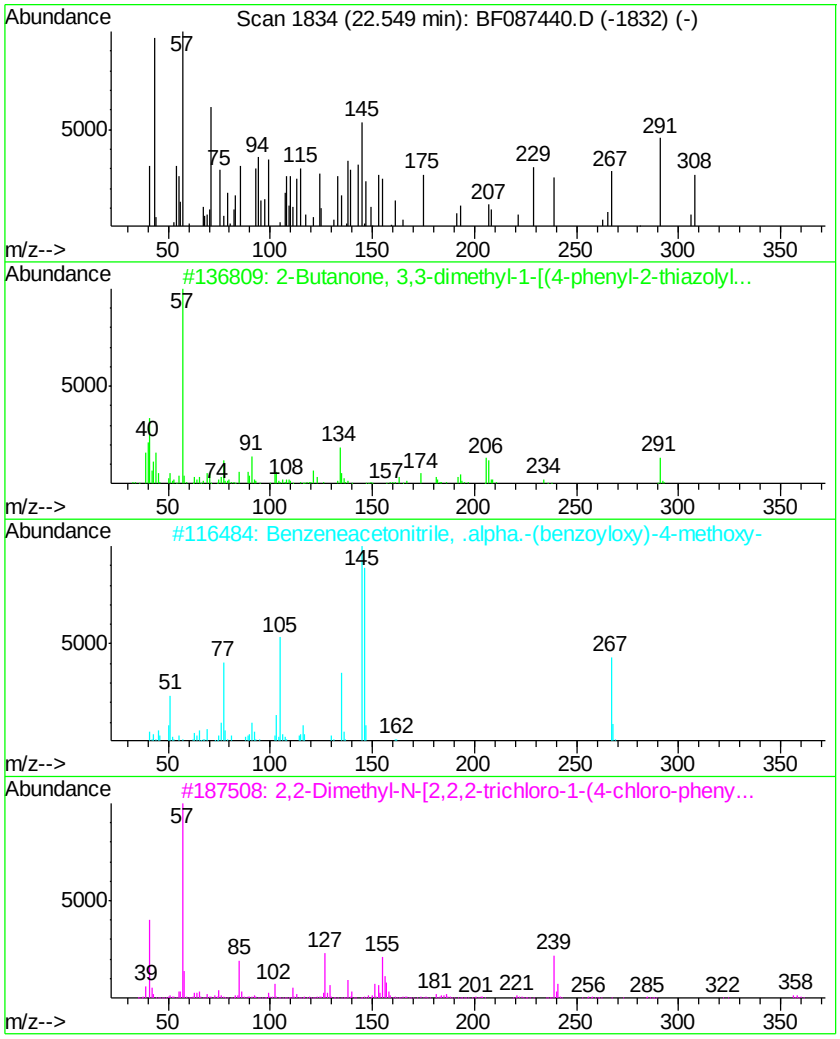
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

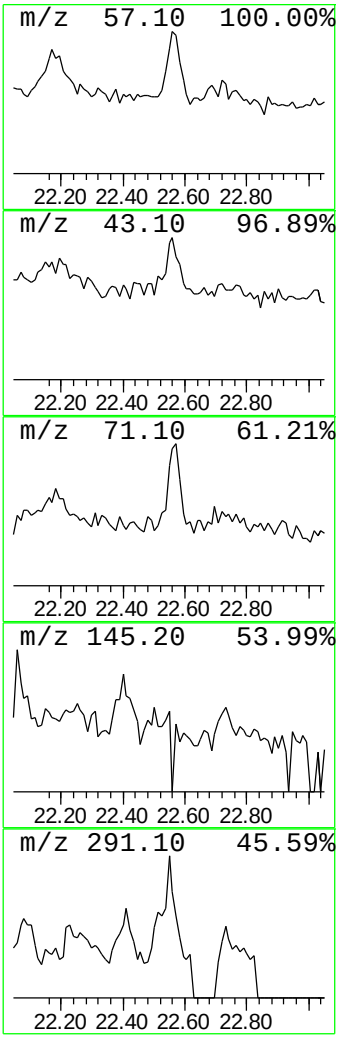
****

Peak Number 19 unknown22.55 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	2.71 ng	67655	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3,3-dimethyl-1-[(4-p...	291	C15H17NOS2	1000337-11-1	9
2	Benzeneacetonitrile, .alpha.-(be...	267	C16H13NO3	006948-58-9	9
3	2,2-Dimethyl-N-[2,2,2-trichloro-...	356	C13H16Cl4N2O	300382-21-2	9
4	Oxandrolone	306	C19H30O3	000053-39-4	7
5	9,9-Dibutoxynonanoic acid, butyl...	358	C21H42O4	1000280-29-3	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

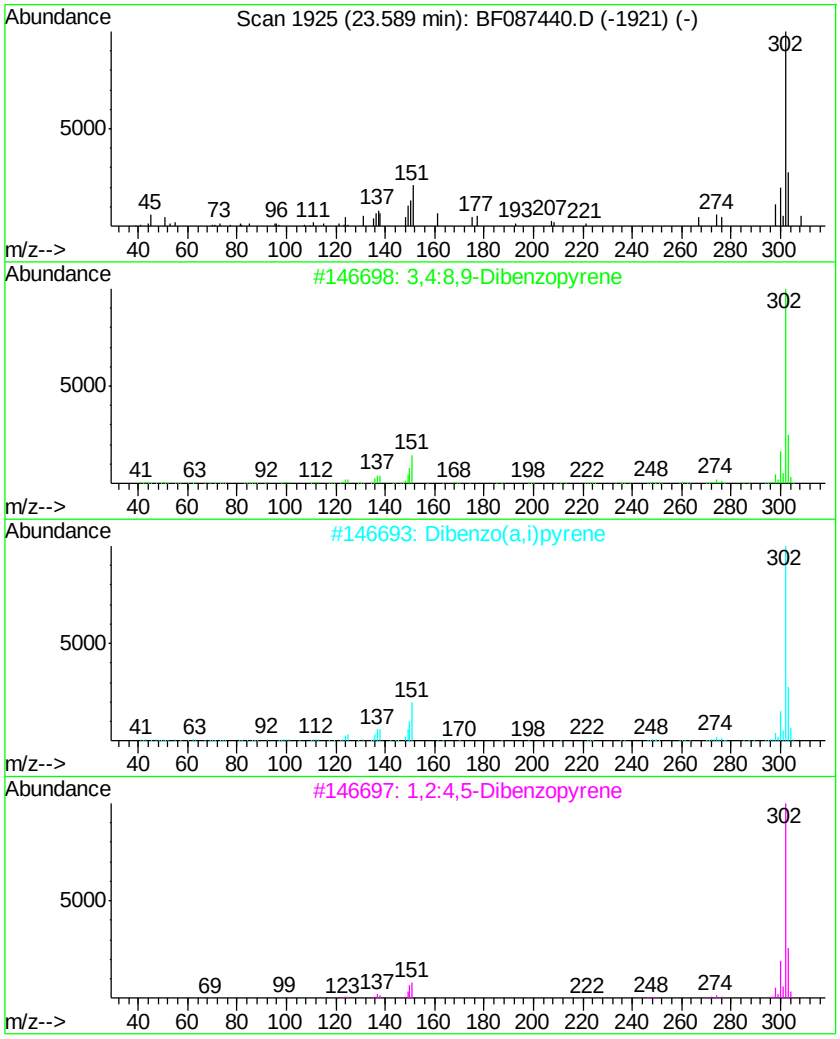
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

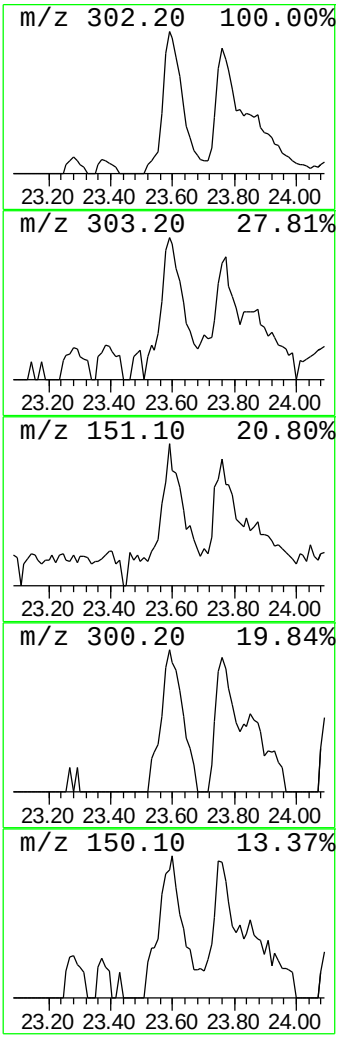
****

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.59	3.37 ng	84139	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	81
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
4	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	58
5	1H-Imidazo[4,5-b]phenazine, 2-(2...	302	C17H10N4S	1000319-15-8	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052616\
Data File : BF087440.D
Acq On : 27 May 2016 11:20
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
2-Pentanone, 4-hy...	4.76	6.0	ng	221679	1	7.51	733267	20.0
unknown7.16	7.16	93.9	ng	3441300	1	7.51	733267	20.0
Hexadecane	13.20	2.8	ng	140428	3	12.37	995777	20.0
9,10-Dimethylanth...	16.37	2.8	ng	107430	4	14.77	755634	20.0
Pyrene, 1-methyl-	17.30	2.4	ng	149570	5	18.47	1270210	20.0
11H-Benzo[a]fluor...	18.31	2.4	ng	149595	5	18.47	1270210	20.0
5,12-Naphthacened...	19.41	3.3	ng	81707	6	20.14	499949	20.0
3,9-Dimethylbenz[...	19.50	2.9	ng	71203	6	20.14	499949	20.0
Anthracene, 9-phe...	19.59	4.7	ng	118333	6	20.14	499949	20.0
Benzo[e]pyrene	19.85	7.8	ng	194184	6	20.14	499949	20.0
Dinaphtho[1,2-b:1...	19.94	2.6	ng	65846	6	20.14	499949	20.0
unknown20.98	20.98	3.6	ng	89118	6	20.14	499949	20.0
6-Benzo(a)pyrenec...	21.07	2.8	ng	69477	6	20.14	499949	20.0
unknown22.55	22.55	2.7	ng	67655	6	20.14	499949	20.0
3,4:8,9-Dibenzopy...	23.59	3.4	ng	84139	6	20.14	499949	20.0